

# AT LANE YOU CAN!

learn a new career

earn a degree

achieve your goals

## Think • Engage • Create • Communicate • Apply

## **Think Critically**

Definition: Critical thinking is an evaluation process that involves questioning, gathering, and analyzing opinions and information relevant to the topic or problem under consideration. Critical thinking can be applied to all subject areas and modes of analysis (historical, mathematical, social, psychological, scientific, aesthetic, literary, etc.). Students who think critically:

- · Identify and define key issues
- Determine information need, find and cite relevant information
- Demonstrate knowledge of the context and complexity of the issue
- Integrate other relevant points of view of the issue
- Evaluate supporting information and evidence
- Construct appropriate and defensible reasoning to draw conclusions

## **Engage Diverse Values with Civic and Ethical Awareness**

Definition: Engaged students actively participate as citizens of local, global and digital communities. Engaging requires recognizing and evaluating one's own views and the views of others. Engaged students are alert to how views and values impact individuals, circumstances, environments and communities. Students who engage:

- Recognize and clarify personal values and perspectives
- Evaluate diverse values and perspectives of others
- Describe the impact of diverse values and perspectives on individuals, communities, and the world
- Demonstrate knowledge of democratic values and practices
- · Collaborate with others to achieve shared goals

#### **Create Ideas and Solutions**

Definition: Creative thinking is the ability and capacity to create new ideas, images and solutions, and combine and recombine existing images and solutions. In this process, students use theory, embrace ambiguity, take risks, test for validity, generate new questions, and persist with the problem when faced with resistance, obstacles, errors, and the possibility of failure. Students who create:

- Experiment with possibilities that move beyond traditional ideas or solutions. Embrace ambiguity and risk mistakes
- Explore or resolve innovative and/or divergent ideas and directions, including contradictory ideas
- · Utilize technology to adapt to and create new media
- Invent or hypothesize new variations on a theme, unique solutions or products; transform and revise solution or project to completion
- Persist when faced with difficulties, resistance, or errors; assess failures or mistakes and rework
- · Reflect on successes, failures, and obstacles

## **Communicate Effectively**

Definition: To communicate effectively, students must be able to interact with diverse individuals and groups, and in many contexts of communication, from face-to-face to digital. Elements of effective communication vary by speaker, audience, purpose, language, culture, topic, and context. Effective communicators value and practice honesty and respect for others, exerting the effort required to listen and interact productively. Students who communicate effectively:

- Select an effective and appropriate medium (such as face-to-face, written, broadcast, or digital) for conveying the message
- Create and express messages with clear language and nonverbal forms appropriate to the audience and cultural context
- Organize the message to adapt to cultural norms, audience, purpose, and medium
- Support assertions with contextually appropriate and accurate examples, graphics, and quantitative information
- Attend to messages, check for shared meaning, identify sources of misunderstanding, and signal comprehension or non-comprehension
- Demonstrate honesty, openness to alternative views, and respect for others' freedom to dissent

#### **Apply Learning**

Definition: Applied learning occurs when students use their knowledge and skills to solve problems, often in new contexts. When students also reflect on their experiences, they deepen their learning. By applying learning, students act on their knowledge. Students who apply learning:

- Connect theory and practice to develop skills, deepen understanding of fields of study and broaden perspectives
- Apply skills, abilities, theories or methodologies gained in one situation to new situations to solve problems or explore issues
- Use mathematics and quantitative reasoning to solve problems
- Integrate and reflect on experiences and learning from multiple and diverse contexts

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from: Neil Isaacson and Bruce Nichols,	and	Instructional Staff	236
Graphic Design; Dawn Whiting, Registrar; Tammy Salman, Coord. Assessment	Staff	Index	244
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To request this information in an alternate format, contact the Center for Accessible Resources at 541.463.5150 or *AccessibleResources@lanecc.edu* 

## **Academic Calendar 2018-2019**

## Summer Term 2018 (session 201910)

Registration begins*	May 7-16 —7 a.m.
Open registration begins*	June 13 —7 a.m.
Summer term books available	June 18
Summer term classes begin	June 25
Independence Day, college close	ed July 4
First four-week session	June 25-July 21
Second four-week session	July 24-August 18
Third four-week session	August 21-September 15
First six-week session	June 25-August 4
Second six-week session	August 7-September 15
Eight-week session	June 25-August 18
Twelve-week session	June 25-September 15
Labor Day, college closed	September 3

## Fall Term 2018 (session 201920)

Registration begins* Open registration begins*	May 21-30 —7 a.m. September 4 —7 a.m.
Fall term books available	September 10
Inservice, college closed	September 20
Fall term classes begin	September 24
Last day to receive a tuition refund	September 30
	—11:59 p.m.
Veterans' Day observed, college clo	osed November 12
Last day for schedule changes	November 16
Thanksgiving weekend, college clo	sed November 22-25
Finals week	December 3-8
Fall term ends	December 8
Winter break	December 9-January 6
Holiday Observance, college closed	December 24-26

## WinterTerm 2019 (session 201930)

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Registration begins* October	29 -November 6 $-7$ a.m.
Open registration begins*	December $4-7$ a.m.
Winter term books available	December 27
New Year's Day, college closed	January 1
Winter term classes begin	January 7
Last day to receive a tuition refu	nd January 13,
	—11:59 p.m.
Martin Luther King Day, college	closed January 21
Presidents' Day, college closed	February 18
Last day for schedule changes	March 1
Finals week	March 18-23
Winter term ends	March 23
Spring break	March 24-31

## Spring Term 2019 (session 201940)

Registration begins*	February 11-20 —7 a.m.
Open registration begins*	March 12 - 7 a.m.
Spring term books available	March 25
Spring term classes begin	April 1
Last day to receive a tuition refun	d April 7 – 11:59 p.m.
Spring Conference, college closed	d May 3
Last day for schedule changes	May 24
Memorial Day, college closed	May 27
Finals week	June 10-15
Spring term ends	June 15
Graduation	June 15

<sup>\*</sup>For detailed registration information, visit lanecc.edu/calendars /registration-calendar.

#### June 2018

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#### February 2019

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#### March 2019

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#### **April 2019**

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## June 2019

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## **Welcome to Lane Community College**

A quality college education is essential to build a successful career or navigate a complex world. Lane Community College is a wonderful place to start.

We're accessible, affordable, and committed to student success.

If you want a four-year degree, you'll save thousands of dollars in tuition costs by completing your first two years at Lane. If you want to enter the job market with a competitive edge, Lane will provide you with outstanding, hands-on training.

We offer two-year associate degrees, one-year and two-year certificates, and career pathways certificates. Our faculty are first rate and highly accomplished. They are dedicated to helping each student learn, and our small class sizes ensure that no one falls through the cracks.



Students at Lane enjoy an array of support services from financial aid to academic advising to student activities. We have stellar athletics programs and amazing student clubs from fencing to French. Student life at Lane is robust and rewarding.

We have a place for you at Lane Community College. Students are all ages with a variety of backgrounds, abilities, interests, and ancestries. Our mission of inclusivity and equity means that we strive to make every individual welcome and successful.

It's amazing what you'll be able to accomplish here.

Start your education at Lane, finish what you start, and you will be a success.

Sincerely,

Dr. Margaret Hamilton, President Lane Community College



## **About Lane Community College**

Lane is a comprehensive community college dedicated to providing accessible, high quality, affordable, lifelong education. The college offers dozens of credit and noncredit programs.

Lane serves a population of approximately 362,000 people within a 5,000-square-mile area stretching from the Pacific Ocean to the Cascade Mountains.

The district includes most of Lane County, Monroe Elementary School District in Benton County, Harrisburg Union High School District in Linn County, and a small area in northern Douglas County. The college is governed by a seven-member elected board.

In addition to the main campus in south Eugene, the college has centers at Florence, Cottage Grove, downtown Eugene, and the Eugene Airport.

#### **Enrollment**

During the 2016-17 academic year, 26,215 students enrolled in Lane Community College classes. For fall term 2017, the average age for females enrolled in credit classes was 24.6 years and the average age for males 24.7. The average age for females enrolled in noncredit classes was 45.6 years and the average age for males 39.2.

#### **Accreditation, Certificates and Affiliations**

Lane is accredited by the Northwest Commission on Colleges and Universities, 8060 165th Avenue N.E., Suite 100, Redmond, WA 98052. The Commission is an institutional accrediting body recognized by the Council for Higher Education Accreditation and/or the U.S. Department of Education. Related regional accreditation documents are on reserve in the college library.

Individual Lane programs are evaluated for quality by numerous vocational and professional accrediting associations, including:

- Automotive Technology, certified by the National Automotive Technicians Education Foundation, a non-profit foundation within the National Institute for Automotive Service Excellence
- Aviation Maintenance, approved under Part 147 of the Federal Aviation Regulations of the Federal Aviation Administration
- Culinary Arts, accredited by the American Culinary Federation Foundation Accrediting Commission, a specialized accrediting commission recognized by the Council for Higher Education Accreditation
- Dental Assisting, accredited by American Dental Association's Commission on Dental Accreditation, a specialized accrediting board recognized by the U.S. Department of Education. The Commission may be contacted at 312.440.4653 or 211 East Chicago Avenue, Chicago, Illinois 60611
- Dental Hygiene, accredited by American Dental Association's Commission on Dental Accreditation, a specialized accrediting board recognized by the U.S. Department of Education. The Commission may be contacted at 312.440.4653 or 211 East Chicago Avenue, Chicago, Illinois 60611
- Diesel Technology, evaluated and accredited by the Association of Equipment Distributors Foundation; membership: Northwest Diesel Industry Council and the Oregon Trucking Association
- Energy Management, awarded Institute for Sustainable Power Quality accreditation credential from the Interstate Renewable Energy Council, International Standard #0102,1 for accreditation and certification of renewable energy training programs and instructors
- Exercise and Movement Science: The American College of Sports Medicine has endorsed the curriculum for Lane Community College's Associate of Applied Science program.
- Flight Technology approved by the Federal Aviation Administration. Flight Technology is a Certified Part 141 approved training course and is the only flight school in the state of Oregon with FAA approved self-examining authority for Private Pilot. Commercial Pilot and Instrument Rating.
- Geospatial Information Science and Technology Endorsement of The National Geotech Center, Del Mar Community College.

- Hotel/Restaurant/Tourism Management, accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA). Students graduating from the program will receive national certification status as a Certified Hospitality Graduate (CHG).
- Medical Assistant, accredited by the Commission on Accreditation of Allied Health Education Programs, a specialized accrediting board recognized by the Council for Higher Education Accreditation, on recommendation of the Medical Assisting Education Review Board of the American Association of Medical Assistants Endowment. Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, 727.210.2350
- Nursing, the Oregon State Board of Nursing, 17938 SW Upper Boones Ferry Rd., Portland, OR 97163-0685, oregon.gov/OSBN
- Physical Therapist Assistant, accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association (CAPTE), 1111 N. Fairfax Street, Alexandria, VA 22134); phone: 703.706.3245; email: accreditation@apta.org; website: capteonline.org
- Paramedicine accredited by the Oregon Department of Education (ODE) or the Oregon State Board of Higher Education. The ODE uses the DHS/EMS administrative rules (OAR 333-265) and must meet the standards established by the ODE in OAR chapter 581, division 49. arcweb.sos.state.or.us/rules/OARS\_500/ OAR\_581/581\_049.html
- Practical Nursing, accredited by the Oregon State Board of Nursing (OSBN), 17938 SW Upper Boones Ferry Rd., Portland, OR 97163-0685, oregon.gov/OSBN

#### **Awards**

The college has earned national recognition for many of its instructional programs, services and administrative practices. Lane also is a member of the League for Innovation in the Community College and is an Achieving the Dream College.

#### **Funding**

Lane Community College is funded by local property taxes, state revenues, and tuition and fees. The 2017-18 General Fund budgeted resources were \$87,823,200, of which 50.2 percent came from intergovernmental sources, 34 percent from tuition and mandatory fees, and 6.7 percent from other sources. In November 2008, Lane county voters approved an \$83 million 15 year bond. Funds are being used to update instructional facilities, equipment and technology at Lane. Work began summer 2009 with upgrades to roofing, central heating and cooling systems upgrades, and increased safety lighting. The college also has a foundation which is an independent, non-profit corporation that raises funds to support programs for which tax monies are insufficient or unavailable.

## myLane

Use myLane for registration, account payments, viewing schedules, class details, financial aid, and grades. Check each term's class schedule for information on registration dates, getting your "L" number and going online in myLane.

## **How to Get Started at Lane**

#### **Who Can Attend Lane**

In general, anyone 18 years or older may enroll in Lane Community College credit classes. A high school diploma is not required. Noncredit classes are generally open to persons 16 years or older.

The college is dedicated to helping each student accomplish his or her immediate educational goals.

#### What Lane Has To Offer

Lane Community College offers lower division college courses, career technical training, precollege and skill development, cooperative programs with area high schools, career and life planning, services for businesses, continuing education, and cultural activities.

#### **Credit Classes and Programs**

Some of the courses offered at the college are for "credit." Credit courses are designed to be transferable to other colleges or to be part of a career technical degree program. For detailed information about credit programs and courses, see CareerTechnical programs and Course Descriptions.

#### **Noncredit Community Education Classes**

Noncredit courses are not transferable to Lane's associate degrees and career technical degree programs or to other colleges. Information about these offerings begins on page 227.

#### Where to Start

Welcome to Lane!

Lane offers a variety of educational options which are designed to meet the needs of individuals at different stages of their lives and education. The following are good places to start.

**Catalog** This catalog is produced annually in the spring and is available at no charge. It is also available through the mail for a small charge. To order a catalog, call the Titan Store at 541-463-5256. Copies of the catalog can be found in Building 1. The catalog can also be found on Lane's Website *lanecc.edu*.

Lane's catalog is published for informational purposes and every effort is made to insure accuracy at the time of printing. However, the provisions in this catalog are not to be regarded as an irrevocable contract between the student and the college. Lane Community College reserves the right to change any provision or requirement at any time. Students are advised to study the web class schedule and to work closely with a counselor or academic advisor. Students also are encouraged to see a counselor or academic advisor early in their programs of study to obtain the most accurate information on their program requirements.

Class schedule The online class schedule is available on the web at *lanecc.edu* about one week before registration begins. Registration usually begins the fourth week of the preceding term except fall term, which occurs the preceding spring term. The most current registration calendar can be found on Lane's web site at *lanecc. edu/calendars/registration-calendar*.

The Continuing Education Class schedule which contains noncredit offerings is mailed to homes in the college district each term. Lane Community College at Florence also mails schedules specific to the Florence Center to Florence area residents.

**Counseling and Career Center** Building 1, First Floor, Room 103, lanecc.edu/ccc, 541.463.3600, coundept@lanecc.edu

The Counseling and Career Center provides personal/retention counseling, career counseling, career information resources, and credit classes to help students reach their academic, career, and personal goals. Hours are Mondays-Fridays, 8 a.m.-5 p.m. and summer hours when the college is open. For more information about the center's services, see Counseling and Career Center in the Academic and Student Services section. Counseling services are also available at the Florence Center, 541.463.4800.

Enrollment Services Building 1, First Floor (Lobby), lanecc.edu/esfs/541.463.3100

Enrollment Services admits credit students and provides registration assistance to all students..

Financial Aid Building 1, First Floor (Lobby), lanecc.edu/finaid/, 541.463.3400

Financial aid responds to all questions and issues regarding financial aid.

**Lanecc.edu Website** Lane's website is a useful tool for finding answers to general questions about attending Lane. Information about the college, such as the catalog, class schedule and myLane can be found at *lanecc.edu* 

**Student Accounts,** Building 1, First Floor (lobby) lanecc.edu/collfin/student-accounts, 541-463-3011

Student Accounts answers questions related to billing, payment plans, sponsored accounts and refund requests.

Titan Peer Associates Building 1, First Floor (Lobby)

Student peers are available to assist students to access online Enrollment Services and Financial Aid services.

#### **Other Good Starting Places:**

College centers and maps, pages 8-9
Center for Accessible Resources, page 19
English as a Second Language, page 228-229
Gender Quity Center, 20, 26
International Student Program, page 24
Multicultural Center, page 20
Native American Program, page 20
TRiO Learning Center, pages 28
Veterans' Services, pages 29-31

## Como Empezar en Lane

## Quien puede asistir a Lane

En general, cualquier persona mayor de 18 años puede matricularse en clases de valor curricular en Lane Community College. No se requiere diploma de preparatoria. Las clases al publico sinvalor curricular generalmente estan abiertas a personas mayores de 16 años. El college esta dedicado a ayudar a cada estudiante a lograr sus metas educativas inmediatas.

#### Que les Ofrece Lane

Lane Community College ofrece cursos de tronco comun, capacitacion profesional y vocacional, desarrollo de habilidades preuniversitarias, programas cooperativos con preparatorias locales, orientacion profesional y personal, servicios para empresas, educacion continua y actividades culturales.

#### Programas y Clases de Valor Curricular

Algunos de los cursos que el college ofrece son de credito curricular. Los cursos de credito curricular estan disenados para transferirlos a otros colegios y universidades o para que formen parte de un programa tecnico/profesional. Para informacion sabre clases de credito curricular vea la sección de Career Technical Programs y Course Descriptions.

#### Clases de Educación Comunitaria

Los cursos sin credito no pueden transferirse a otros colegios o universidades ni pueden formar parte de un programa de nivel tecnico o profesional. La informacion sabre estos cursos empieza en la pagina 227.

#### Por donde Comenzar

Lane ofrece una variedad de opciones educativas las cuales estan disenadas para cumplir con las necesidades academicas de las personas durante las diferentes etapas de su vida y educacion. A continuacion presentamos unos buenos puntos de partida.

Catálogo Este catalogo se produce anualmente durante la primavera y lo puede adquirir gratis en los centros del colegio. Tambien se puede ordenar, a bajo costo, por correo. Para ordenar un catalogo, llame a la Libreria de Lane al (541) 463-5256. El catalogo se encuentra en el portal de Lane en el Internet, lanecc.edu.

El catalogo de Lane se publica para fines informativos y se hacen todos los esfuerzos para asegurar su exactitud a la hora de imprimirlo. Sin embargo, lo presentado en este catalogo no debe ser considerado como un contrato irrevocable entre el estudiante y el colegio. Lane Community College reserva el derecho de cambiar, en cualquier momento,cualquier parte de lo presentado o de los requisitos. Se aconseja a los estudiantes revisar la lista de clases y asesorarse detalladamente con un consejero o asesor. Tambien se recomienda a los estudiantes obtener una evaluacion formal de sus expedientes academicos, al iniciar sus programas de estudios, para asi obtener la informacion mas precisa sabre los requisitos que necesitan para sus programas.

Lista de Clases El horario de online clases esta a su disposicion en lanecc.edu, aproximadamente una semana antes de que se inicie el registro. La inscripción usualmente comienza la cuarta semana del trimestre anterior, excepto el trimestre de otono, el cual se lleva a cabo durante el trimestre de primavera anterior.

La revista impresa con el horario de clases trimestrales tambien se nvía por correo a los hogares dentro del distrito escolar aproximadamente una semana antes de que se inicie cada trimestre. El centro en Florence tambien envian por correo horarios de clases específicos a eso centro. Centro de Consejería y Carreras Edificio 1, Salón 103, 541.463.3600

El Centro de Consejería y Carreras proporciona consejería acerca de asuntos personales, problemas de retención escolar y asesoramiento vocacional. También ofrece recursos e información sobre carreras y clases con crédito universitario para ayudar a los estudiantes a alcanzar sus metas académicas, personales y profesionales. El horario es de lunes a viernes, 8 a.m. - 5 p.m. incluso durante el verano cuando está abierto el colegio. Para más información sobre los servicios, consulte la Sección de Servicios Académicas y Estudiantiles: El Centro de Consejería y Carreras.

Financial Aid Edificio 1, Primer piso, lanecc.edu/finaid, 541.463.3100

Ayuda financiera responde a todas las preguntas y problemas de ayuda financiera.

Internet Para obtener informacion sabre el colegio en el Internet, vava al lanecc.edu.

Titan Peer Associates Edificio 1, Primer piso

Companeros de estudio estan disponibles para ayudar a los estudiantes de Inscripcion en linea y acceso a servicios financieros para estudiantes ayuda financiera y servicios.

#### **Otros Buenos Puntos de Partida**

Centros del college, páginas 8-9
Centro de Recursos de acceso, página 19
Inglés como Segundo Idioma, página 228-229
Programa para Estudiantes Internacionales, página 24
Centro Multicultural, página 20
Programa Nativo Americano, página 20
Centro de Aprendizaje TRiO, páginas 28
Oficina de Veteranos, páginas 29-31
Centro Gender Equity, página 30

## **College Phone Numbers**

Main college phone: 541.463.3000	
Academic Advising	541.463.3800
Administrators	
President	541.463.5200
Vice President, College Services	541.463.5310
Vice President, Academic and Student Affairs	
Executive Dean Academic Affairs, School of Profe	essional and
Technical Careers	541.463.5315
Executive Dean Academic Affairs, School of Arts a	and
Sciences	541.463.5306
Executive Dean Student Affairs	541.463.5725
Admissions	541.463.5678
Adult Basic and Secondary Education (ABSE)	541.463.5214
Downtown Campus	541.463.6180
ABSE Volunteer Tutor Program	541.463.6184
Affirmative Action	541.463.5801
Associated Students of Lane	
Community College (ASLCC)	541.463.5365
Athletics	541.463.5599
Bookstore	541.463.5256
Center for Accessible Resources	541.463.5150
Child and Family Center	541.463.5517
Child and Family Education	
Continuing Education	541.463.6100
Cooperative Education	
Cottage Grove Center*	
Counseling and Career Center	
Credit Instructional Departments	0 1 11 10010200
Academic Learning Skills	E41 462 E420
Advanced Technology	
Arts Division	
Aviation Academy	
•	
Business Department	
Child and Family Education	
Computer Information Technology	
Cooperative Education	
Culinary Arts and Hotel/Restaurant/Tourism	
Health and Physical Education	
Health Professions	
Human Development (Counseling Department)	
Language, Literature and Communication	541.463.5419
Mathematics	541.463.5392
Music, Dance and Theatre Arts	541.463.5209
Science	541.463.5446
Social Science	541.463.5427
Women's Program	541.463.5353
Denali (Student Publication)	541.463.5897
Dental Hygiene Clinic	541.463.5206
Dislocated Worker Program	541.463.5223
Downtown Campus	541.463.6250
Emergency Calls (on campus)	

Emergency Medical (on campus)	541.463.5555
Employment Services	541.463.5167
English as a Second Language	541.463.5253
Enrollment Services	541.463.3100
Family Connections of Lane and	
Douglas Counties	541.463.3954/1.800.222.3290
Financial Aid	541.463.3400
First Year Experience	541.463.5771
Fitness Education Center*	541.463.3987
Florence Center	541.997.8444/541.463.4800
Foundation	541.463.5135
GED, Classes	541.463.5214
GED, Testing	541.463.5324
Health Clinic	541.463.5665
High School Connections	541.463.5521
Institute for Sustainable Practices	541.463.5594
International Students Counselor	541.463.3200
KLCC (Radio Station)	
LaneOnline	
Library*	
Medical Emergencies (on campus)	
Multicultural Center	
Music, Dance and Theatre Arts Ticket Offi	
Public Safety*	CG
(emergency calls)	541.463.5555
General Public Safety Information	
Recreational/Club Sports	
Registrar	
Small Business Development Center	
Student Engagement	
Student Life and Leadership Developme	
Student Accounts	111 54 1.405.5550
Perkins Loan Payments	E41 462 2011
Tuition and Other Payments	
•	
Student Legal Services	
Student Records	
Student Resource Center	
Substance Abuse Prevention	
TTY (Personnel)	
Titan Store	
Torch (Student Newspaper)	
Tours (Main Campus)	
Transitions to Success	
TRIO Learning Center	
Veterans' Benefits	
Veterans' Services	
Women's Center	
Work Study	541.463.5039
Workforce Development	541.463.5223
* These offices and facilities also can be read	hed during evening hours.



## **Locations and Maps**

#### **Facilities**

The college has a 301-acre campus on 30th Avenue in Eugene. About one-third of the construction money came from local taxes and two-thirds from state and federal grants.

A new downtown campus in Eugene is centrally located and convenient for those who live, work or shop downtown.

Lane Community College at Cottage Grove provides educational services for the southern part of the college district, and the Florence Center serves residents in the western part of the district.

Lane's Aviation Academy offers two programs at its facilities at Eugene's Mahlon Sweet Airport: the Flight Technology Program offers ground/flight courses, and the Aviation Maintenance Technician Program offers advanced training at the Return-to-Service facility.

The college also offers classes via television and the Internet.

#### **Bus Pass and Bus Transportation**

Credit students, ABSE and ESL students at the main campus, Downtown Campus (DCA), and Aviation Academy are assessed a \$27 per term\* transportation fee which covers the cost of several transportation initiatives that benefit our students, including a Lane Transit District bus pass. Other students are assessed a \$5 per term\* transportation fee. For bus routes and bus pass information, log on to the LTD website at Itd.org or call LTD Customer Services at 541.687.5555 or 711 (TTY—Oregon Relay).

- Bring your myLane student schedule and photo ID to the Titan Store to get your pass.
- LCC Bus Passes are nontransferable and nonrefundable.
- Lost, stolen or misplaced LCC Bus Passes are replaceable for a non-refundable \$10 fee. Bring your photo ID and \$10 to the Titan Store to obtain a replacement pass.
- For information on how to obtain an LCC Bus Pass and sticker, go to lanecc.edu/facilities/transportation/lcc-bus-pass.
- \* subject to change

#### **Parking**

#### **Main Campus**

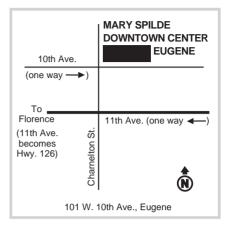
Parking is permitted in all parking lots on the main campus. Parking is prohibited on main access roads at Gonyea Road and Eldon Schafer Drive. If parking is temporarily permitted in an area where parking is not normally permitted, the area will be clearly marked.

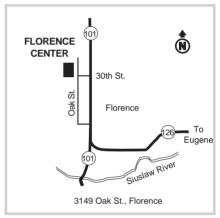
More information about motor vehicle regulations applicable-to Lane is available on Lane's website at *lanecc.edu/copps/documents/vehicle-regulations* or call 541.463.5558.

#### **Downtown Campus**

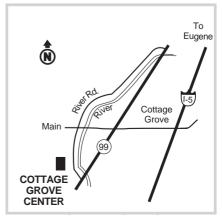
- The closest parking option is The Broadway garage, with entries on either side of Broadway along the west side of Charnelton.
   Parking here is free on weekends and after 6 p.m. with hourly parking available by machine (which accepts credit cards).
- Lane's Downtown Campus (DCA) students may have their parking validated at the Titan Store and Market when parking at the Overpark and Parcade lots.
- Parking is free on Saturday and Sunday in the Overpark and Parcade, for the first hour of parking Monday through Friday, and before 7 a.m. and after 6 p.m. Monday-Friday.
- For more information, call 541.463.6250, and for the latest information on all things related to our new Downtown Campus and the parking and transportation options available, see: lanecc.edu/facilities/transportation

## **Maps to Lane Community College**



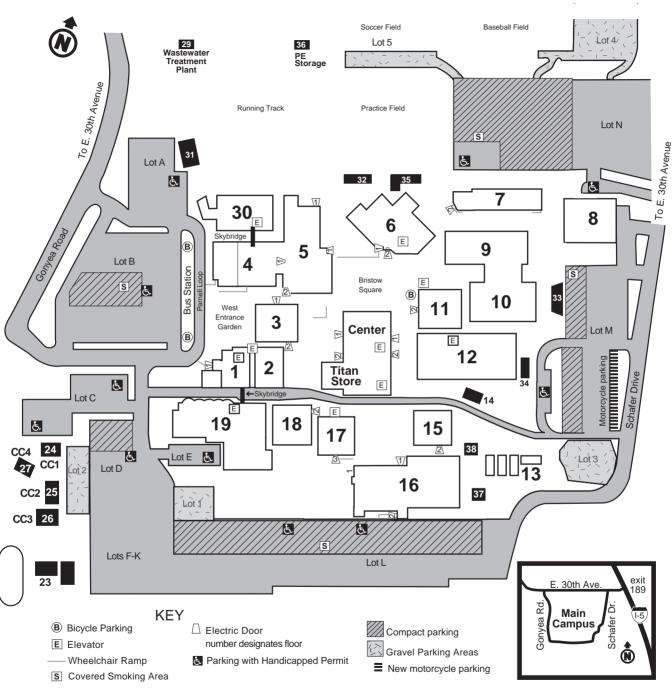






# **Lane Community College Main Campus**

4000 East 30th Avenue = Eugene, Oregon 97405 = (541) 463-3000



#### **Building Department**

Center Titan Store/Library/ Cafeteria/Social Science/ Language, Lit. & Comm.

- 1 Student Services
- 2 IT
- 3 Administration
- 4 Health Professions
- 5 Physical Education
- 6 Performing Arts
- 7 Campus Services/Facilities/ Printing & Graphics

#### **Building Department**

- 8 Welding
- 9 Auto/Diesel
- 10 RTEC/Art
- 11 Art/ESL/GED
- 12 Manufacturing/Auto Coll./ Construction
- 13 Annexes
- 13 Public Safety
- 15 Electronics/Drafting
- 16 Science/Math

#### **Building Department**

- 17 Forum
- 18 Drafting/Graphic Design
- 18 Health Clinic
- 19 Business/CIT/Workforce/ Co-op Ed/CML
- 24 Family Connections/Child Development
- 25 Infant/Toddler Center
- 26 Preschool
- 30 Health and Wellness
- 31 Longhouse

#### **Parking**

- Parking is permitted in all parking lots on main campus.
- Parking is prohibited on the access roads to main campus (Gonyea Road and Eldon Schafer Drive).

## **Credit Student Admissions and Registration**

## **Who May Enroll in Lane Credit Classes**

Anyone who is at least 18 years of age may enroll in Lane credit classes. A high school diploma is not required. Students planning to use financial aid to attend Lane must have a high school diploma, a GED certificate, or completed home schooling at the secondary level prior to the term the student wishes to receive aid. For more information about financial aid, contact Financial Aid at 541,463,3400.

Anyone under age 18 must be a high school graduate or follow one of the procedures listed below in order to enroll in credit classes at Lane.

- Students who have not graduated and who are not enrolled in high school must have a GED certificate to enroll in credit classes at Lane, or
- Students who are under the age of 18 at the time they are applying to Lane to become a credit student need to complete the online admissions application process at lanecc.edu/esfs/ under- 18-students. To finalize the admission process, students under the age of 18 without a high school diploma must complete and submit to Enrollment Services the "Student/ Parent-Guardian Consent Signature" form included in the online admission process. Students under the age of 18 attending Lane will not be considered as regularly admitted students until they reach the age of 18 or they have demonstrated that a high school diploma or GED has been earned.

Information about Lane's noncredit and Adult Basic and Secondary Education programs is in the Community Education section of this catalog.

**Residency** More information about residency, including tuition rates and documentation requirements, is provided in the Tuition, Financial Aid and Payment section. Students are considered indistrict\* if they

- have maintained a permanent residence within the college district for at least 90 continuous days prior to the first day of the term
- \* In-district includes Lane County, the Monroe Elementary District, and the Harrisburg Union High School District.

Students are considered in-state (out-of-district) if they

• have maintained a permanent residence within the state for at least 90 continuous days prior to the first day of the term.

Students who are in-district, in-state or permanent residents of Washington, Idaho, Nevada, or California pay in-state tuition at Lane.

Please be aware that being designated as an Oregon resident at Lane Community College does not guarantee the same status with any other two-year or four-year institutions, either within or outside the state of Oregon. It is vital that you review the residency requirements at all institutions to understand their in-state residency requirements.

#### **How to Enroll**

From lanecc.edu, go to the Apply and Enroll tab at the top left, select Apply Now.

#### **Admissions**

We accept all students age 18 or older and students under the age of 18 with a high school diploma or GED. Admissions are "rolling" throughout the year, but close one week before each term starts. If you are a new credit student, you must complete all of the "Steps to Enroll" prior to the beginning of a term, or wait until the next term. To apply, complete the admissions process online at lanecc.edu/apply.

#### **International Programs Admissions**

Building 11, Room 235, 541.463.3434

Lane welcomes students who want to come to the USA to study on student visas to both the International English Program (ESL) and college-level programs.

Students applying to Lane need to complete the international application online (processing fee required) and submit the following documents electronically: copy of passport, transcripts from most recent school attended and proof of financial support. Other or original documents may be required in some cases. Go to *lanecc. edu* to apply.

At Lane, a TOEFL score is not required for admission. All students will be tested for English proficiency upon arrival and class placement will be based on the results. Students will be placed in ESL courses or college-level credit classes based on the outcome of the placement test. Students who complete all classes in level F of the ESL program with a C or higher are eligible to take credit classes.

College major and International ESL students are admitted for fall, winter, and spring terms. For additional information on summer term please see *lanecc.edu/international*. International students must be at least 17 years of age to be admitted.

Students who are transferring to Lane from another college, university or language school need to have at least a 2.0 GPA and be eligible to transfer their I-20 to be admitted to our regular program. Students with less than a 2.0 GPA, or those who have been academically disqualified from their current school, will be enrolled in the International "Success Program." Success Program students will have additional requirements to ensure they get the support they need to succeed. Students who have earned more than 180 quarter credits need to identify a specific degree plan and specific number of credits needed to graduate before they can be admitted. All students must be in status with immigration. Students with a terminated I-20 are not eligible to transfer to Lane.

For more information about Lane's International ESL Program, see English As A Second Language.



#### **Programs with Special Admission Procedures**

Each of the following programs has special admission procedures. Students must be officially admitted to these programs. Contact the Health Professions Application Center for more information *hpapplicationcenter@lanecc.edu*. Admission Packets are available on Lane's website, *lanecc.edu*.

Associate Degree Nursing
Dental Hygiene
Dental Assisting
Emergency Medical
Technology/Paramedic
Physical Therapist Assistant
Practical Nursing
Dental Assisting
Health Information
Management
Medical Assistant

The programs listed below are limited enrollment requiring that the program be listed as the major or requiring a special application for acceptance listing as the major. Contact the sponsoring department for information:

Apprenticeship Trades	541.463.5380
Automotive Technology	541.463.5380
Culinary Arts and Food Service Management	541.463.3503
Hotel/Restaurant/Tourism Management	541.463.3503
Early Childhood Education	541.463.3522
Energy Management Technician	541.463.3977
Fitness Specialist	541.463.5545
FlightTechnology	541.463.4195
Graphic Design (the second year)	541.463.5409

#### **Physical Exams and Immunizations**

Some academic programs and student activities such as varsity sports have special requirements for physical exams and immunizations. Students can get specific information from the sponsoring department.

## **Registering for Classes**

#### Registration

Registration begins each term using a staged process over several days according to the cumulative number of Lane credits earned through studies at Lane (transfer credits do not count). Students can easily check their registration date and see if they have any holds or restrictions preventing registration by going to myLane under the myEnrollment tab and When Can I Register link. For information, visit the website at <code>lanecc.edu/calendars/registration-calendar</code>. For questions, email <code>AskLane@lanecc.edu</code>.

#### **Schedule Changes**

Students may add and drop full-term classes through the eighth week of the term using myLane. Schedule changes could result in additional tuition and fees.

Some classes require the instructor's consent to enroll. myLane will inform students of this requirement when attempting registration.

Increasing the number of credits for a variable credit class can be processed using myLane through the last week of regular classes, prior to the beginning of finals week. Additional tuition and applicable fees will be charged to the student's account, and payment policies will apply.

#### **Deadline to Drop a Class**

Students who drop a class and meet the refund deadline of Sunday midnight of the first week of the term for classes that meet 11 weeks will be refunded all of the tuition. Tuition is not prorated. Students who drop after this deadline will not receive a refund. More information about the refund process is provided in the tuition section of this catalog.



## **Overview of Academic Programs**

Lane Community College is a comprehensive community college offering career technical and lower division college classes.

The college offers classes at a number of locations in addition to the main campus. These include the Downtown Campus in Eugene, Lane Community College at Florence, Lane Community College at Cottage Grove, and facilities at the Eugene Airport.

In addition to weekday classes, Lane offers some evening and Saturday classes. Evening and Saturday classes for credit are offered on the main campus and at outreach centers. By selecting from among these classes, students can earn college transfer credit or work toward a certificate or degree in one of Lane's career technical programs. Evening courses are listed in the class schedule on Lane's website at *lanecc.edu*.

Lane also offers a variety of different ways students can learn ranging from traditional lecture or lecture/lab classes to online, to openentry/ open-exit classes that permit students to begin and end the class when they wish.

## **Career Technical Programs**

Career technical programs lead to certificates and Associate of Applied Science degrees. Many classes required to complete two-year degrees can be transferred to four-year colleges. Others do not transfer.

For information about specific programs, see Career and Technical Programs.

## **College Transfer Classes and Degrees**

The college offers lower division (freshman and sophomore) college credit classes so that a student may complete the first two years of college at Lane.

Lane offers several college transfer degrees and preparation for a number of college transfer majors. For a complete list of majors, see pages 52-58.

#### Associate of Arts Oregon Transfer Degree (AAOT)

- Designed for students who want flexibility to transfer to any public Oregon university.
- AAOT accepted to meet lower division general education requirements
- · Ensures junior status for registration purposes
- · Limited transferability of career technical courses
- Does not guarantee admission to Oregon public universities

#### **Associate of Science Oregon Transfer: Business (ASOT-BUS)**

- Designed for students who want flexibility to transfer to any public Oregon university with business-focused general education requirements.
- ASOT Bus accepted to meet lower division general education requirements
- · Ensures junior status for registration purposes
- · Limited transferability of career technical courses

## Associate of Science Oregon Transfer: Computer Science (ASOT-CS)

- Designed for students who want flexibility to transfer to any public Oregon university with computer-focused general education requirements.
- ASOT CS accepted to meet lower division general education requirements
- · Ensures junior status for registration purposes
- · Limited transferability of career technical courses

#### **Associate of Science**

- Designed for some transfer majors to match requirements at some four year colleges
- May meet some lower level division general education requirements, but not guaranteed
- · Limited transferability of career technical courses

#### **Associate of Science: University of Oregon**

- Designed for students who want to transfer to the University of Oregon with general education requirements
- · Limited transferability of career technical courses

#### **Associate of Science: Oregon State University**

- Designed for students who want to transfer to Oregon State University with general education requirements
- · Limited transferability of career technical courses

#### **Associate of General Studies**

- Designed for students not pursuing a specific transfer or career technical program
- · Offers great flexibility in elective credits
- May meet some lower division general education requirements, but not guaranteed
- · Limited transferability of career technical courses

#### **Direct transfer**

- Designed for students pursuing a specific transfer major at another college or university
- · Not eligible for federal financial aid
- Contact Counseling for information on DirectTransfer

## **Cooperative Education**

Cooperative education (Co-op) offers internships for career technical and college transfer credit. Internships give students practical work experience related to their educational and career goals. Students get on-the-job learning experience at a business or organization related to their educational and career goals. Cooperative education is available in all academic departments. Most career technical programs require Co-op credits.

#### Advantages to the Student

- guidance in career expectations and demands
- · development of skills and self-confidence
- early exploration and confirmation of career choice
- development of job contacts and a work history
- · increased motivation for academic achievement
- · instruction in resume preparation and interviewing skills

Co-op is a working partnership between the student, Lane

Community College, and the Co-op employer. Classroom study at

Lane along with supervised work experience is an integral part of a

student's education.

Lane Community College's Cooperative Education is the second largest in the state of Oregon. An outstanding model program in the United States, Co-op has quality learning opportunities locally, regionally, nationally, and internationally. Over 2,000 Lane students each year enroll in co-op and work in both paid and non-paid positions. Student compensation is at a rate of pay comparable to employees who do similar work. In some instances, students may receive credit for volunteer placements. More than 800 employers participate in the program each year. Sixty-five percent of all Co-op students are retained by employers as regular employees after graduation, although employment is not guaranteed.

The requirements of a cooperative education program include successful completion of classroom and work experience. Work experience must be preceded by a consultation between the student and a Co-op coordinator (see list).

#### To get started with Co-op:

- Contact the Co-op coordinator in your program to determine if you are ready for an internship
- 2. Work with your coordinator to set up a Co-op internship
- 3. Register for Co-op and begin your internship

**Credits** Course credit may be earned for work experience if a job is related to either the student's major or occupational goal. Students enrolled in co-op earn credit and a grade for their internship.

Co-op credits may not be audited or taken as pass/no pass. They can earn up to 12 credits per term and a maximum of 18 credits total while at Lane. One credit equals 36 hours of Co-op work experience. Unless prior approval is received from the Cooperative Education Dept. dean, students must enroll for a minimum of three credits. Co-op credits may not be earned for past work experience (see Student Records for Credit by Assessment). Cooperative Education administers this course. To find out more about Co-op education contact your Co-op coordinator or visit our website lanecc.edu/cooped.

The Cooperative Education Division administers co-op courses. To learn about cooperative education, visit the website: lanecc. edu/cooped/ or drop by the Co-op office, Building 19, Room 265 or call 541.463.5203.

The following is a list of Cooperative Education coordinators. Students should contact the coordinator in their program prior to enrolling in a cooperative education course.

Program or Transfer Area	Co-op Ed Coordinators
Accounting	Jamie Kelsch
Administrative Office Professional	Jamie Kelsch
Art & Applied Design	Teresa Hughes
Automotive Technology	Chuck Fike
Aviation Maintenance	Chuck Fike
Biology	
Business Management	Jamie Kelsch
Career SkillsTraining	Chuck Fike
Chemistry	Gerry Meenaghan
Coaching	Chuck Fike
Computer Information Technology	Gerry Meenaghan
Computer Network Operations	Gerry Meenaghan
Computer Programming	
Computer Simulation and Game Developme	nt Gerry Meenaghan
Construction	
Criminal Justice	Caoimhin OFearghail
Culinary Arts	Joe McCully
Dental Assisting	Leslie Greer
Dental Hygiene	
DieselTechnology	
Drafting	
Early Childhood Education (Pre-school)	,
Education (K-12Teacher Preparation)	
Emergency Medical Technician (EMT)	
Energy Management	
Engineering (Transfer)	
Environmental Studies	
Ethnic Studies	
Fitness	
FlightTechnology	
Florence Center (all)	
General Work Experience 180	
General Work Experience 280	
Geographic Information Science (GIS)	
Geography	Staff

B	0 510 5.4
Program or Transfer Area	
Geology	
Graphic Design	
Health Occupations (Cont. Ed.)	
Health Information Management (HIM)	Shelley Williams
Hotel/Restaurant/Tourism Management	
Human Services	Christina Salter
International Work Experience	Gerry Meenaghan
Journalism	Teresa Hughes
Landscape	Chuck Fike
Manufacturing Technology	Chuck Fike
Mathematics	Gerry Meenaghan
Medical Assistant (MA)	Kate Barbee
Multimedia Design	Teresa Hughes
Music	Teresa Hughes
Nursing	Staff
Performing Arts	Teresa Hughes
Physical Therapist Assistant (Clinical Affilia	tion) Beth Thorpe
Physics	
Political Science	Caoimhin O'Fearghail
Pre-Law	Caoimhin O'Fearghail
Psychology	Beverly Farfan
Science Technology	
Service Learning	,
Sociology	/
Sustainability Coordinator	
Web Design	,
Welding	
	Orlaak riko

## **High School Connections**

#### **Curriculum for High School Students**

Lane's High School Connections office assists high school students in making the transition from high school to college. Local students have an opportunity to earn college credit while being dually enrolled at their high school and Lane, through the College Now and RTEC programs. Lane Community College does not offer high school completion diplomas.

College Now classes are taught in the high school during regular school hours by high school instructors approved by Lane. These classes are similar to those offered in Lane programs, including course content, textbook and learning outcomes. Courses are taught in many subject areas including English, French, Spanish, art, social science, math, business, culinary, early childhood education, graphic design, drafting, fabrication/welding, and others. College Now credits are free for the 2018-19 academic year.

RTEC, Regional Technical and Early College, is a collaborative effort with local schools to provide early college opportunities to high school students. RTEC provides rigorous and relevant career technical training according to industry standards as well as academic transfer course offerings at the college. These classes fill the gaps where high schools can no longer offer these courses. RTEC provides both accelerated career technical and academic transfer courses for high schools that need advanced opportunities for their students. Courses are taught at Lane, at the high schools, or online in a variety of career technical and academic areas. The High School Connections office works with local school districts that want to sponsor their students for dual credit in career technical or academic classes at the college. Additionally, school districts contract with Lane to provide college-level classes directly at their location.

RTEC 101 Gateway to College and Careers is a credit course offered by the High School Connections Office to high school seniors who are interested in attending Lane after graduation. This course prepares students to skillfully navigate Lane systems, be familiar with the many programs and pathways available at Lane, and set their own course for college success.

RTEC 101 is a variable credit course for high-school aged students who want to improve their likelihood of success in a college environment with an emphasis on career technical education. Students will self assess interest areas and strengths, explore career pathways and gain skills in work ethics, test-taking strategies, and using appropriate modes of communication in the school setting. Additionally, students will be introduced to each of the Career Technical pathways offered at Lane and will understand not only the various options for careers, but also the varying requirements for entrance into these programs. Successful completion of this course will be the first step to classes in the RTEC center and elsewhere on campus.

The High School Connections office works with local school districts that want to sponsor their students for dual credit in career technical or academic classes at the college. Additionally, school districts contract with Lane to provide college-level classes directly at their location.

For more information about High School Connections programs, visit the website at lanecc.edu/hsconnections or call 541.463.5521.

#### **Honors Program**

The Lane Honors Program provides you with a transformative learning experience centered around scholarly inquiry, academic rigor, and intellectual growth.

As an honors student, you will receive many educational benefits, including:

- collaborative learning with other engaged students
- · faculty mentorship
- · guest speakers and honors events
- · graduation from Lane with honors recognition

- a competitive edge when applying for scholarships to 4-year universities
- articulation agreements with 4-year university honors programs

If you are transferring to a four-year institution, you will be well-prepared for upper division coursework and university honors programs. If you are a non-transfer student, you will benefit from the program's opportunities for personal enrichment.

Lane honors classes fulfill general education electives and requirements for transfer degrees. Lane currently offers the following three types of honors classes:

- Honors options: traditional classes in which students can elect to complete honors-level coursework; open to all students.
- Honors sections: each student in the class completes honorslevel coursework; open to all students.

For a list of current classes, to learn more about the Honors Program or to apply, please visit our website at *lanecc.edu/honors/* or email *honors@lanecc.edu* with questions.

#### LaneOnline

LaneOnline provides courses delivered through technology. The Associate of Arts Oregon Transfer, Associate of General Studies and Associate of Science degrees and significant coursework for other degrees and certificates can be completed through LaneOnline. There is an annual course schedule on the LaneOnline website to assist you in schedule planning.

In order to help easily locate them on the web schedule of classes, online and hybrid courses will have "online" or "hybrid" and the Online/Hybrid icon listed next to the course title. All online courses can be viewed in one location by going to lanecc.edu/laneonline and clicking "Class Schedules" in the left-hand navigation bar, then choosing the desired term.

**Online Courses** Online courses are delivered on the web. Students may participate anytime, anywhere they have a computer with internet access. Interaction with the instructor and other students is provided through discussion forums and email. Some online courses have on-campus labs or exams, or require viewing video programs.

**Hybrid Courses** Hybrid courses combine traditional classroom activities with online learning so that time spent in the classroom is reduced but not eliminated. A portion of the class instruction is conducted online and the rest is conducted during regularly scheduled classroom meetings.

**Telecourses** Telecourses include weekly video programs, use of the internet, email, textbooks, assignments, and examinations. Videos can be streamed or purchased on DVD. Students can also view telecourses on cable TV, in the Lane Library, and at LCC at Cottage Grove and Florence. Exams are usually taken on campus.

**Live Interactive Courses** Students enroll and participate by attending on campus or through videoconferencing at an off campus location. These courses must be attended in person.

Tuition for LaneOnline courses is the same as other courses. All online courses and telecourses have a \$25 fee. Additional fees may be charged by instructional departments.

For more information about taking LaneOnline courses, call 541.463.5893 or see lanecc.edu/laneonline.

#### Service Learning

Would you like to remove invasive plants from a wetland, prepare dinners at a community meal site, tutor youth at-risk in math or writing, educate others about health risks, or advocate for abused women. These are examples of service learning, a hands-

on approach to learning that encourages students to increase their knowledge and skills through connections and experiences working in the community.

Students work outside their classroom in addressing real community needs. Students identify learning activities, learning objectives, and engage in reflection activities designed to promote critical thinking, problem solving, and civic awareness.

Service Learning course formats vary. Service learning activities may be required, an optional assignment, or extra credit.

**Examples of Courses:** 

COOP 280SL Cooperative Education: Service Learning

HE 255 Global Health

HS 201 Introduction to Human Services
HS 228 HIV/AIDS and Other Infectious Diseases

For information, visit lanecc.edu/sl or email farfanb@lanecc.edu

## **Tuition, Fees, Financial Aid and Payment**

#### **Noncredit Community Education Classes**

For information about costs associated with Continuing Education and Small Business Development Center classes, please contact the respective departments.

#### Credit Classes

Credit students pay the following charges:

Tuition.....see below
Class fees.... listed next to each class in the online class schedule

Other fees .....see below

#### **Tuition\***

Fall, winter and spring terms......\$236 per credit hour Summer term.....\$158 per credit hour

\*Subject to change pending Board approval

#### **Other Credit Student Fees**

#### **ASLCC Student Activity Fee\***

Credit students taking main campus classes ......\$56.05

Student Life (clubs) \$1.74; ASLCC \$9.14; BSU \$.50; OSPIRG \$3; Longhouse \$3; International Student programs \$2; SPA \$.50; Childcare \$1; Athletics and Recreational Sports \$11; TORCH \$2.90; Women's Program \$2; Learning Garden \$1.50; Military/Vets Center \$1; NASA \$.65; MeCHA \$.65; GSA \$.65; APISU \$.50; OSA \$2.65; ASLCC Legal Services \$4; Co-op \$7.62

\*This fee is subject to change pending ASLCC election results.

#### **Credit by Examination and Credit by Assessment**

Examination/assessment tee	.\$50 per review
First Time Credit Enrollment Fee	\$30
Student Health Fee	\$45 per term

#### **Transportation Fee (nonrefundable)**

Credit students on main campus.......\$27 per term All noncredit classes (included in the Registration fee) and credit classes not held on the main campus......\$5 per term

For more information, see the Locations and Maps section on page 8-9. Fee is subject to annual increases.

#### International credit students also pay

International student fee ......\$12 per credit hour

**Photo ID** ......\$5

A LCC photo ID is not required to attend Lane. It is available to all currently registered students as an alternate form of photo identification. A card may be purchased from the Titan Store, Center Building.

#### **Transcript Fee**

ranscript\$	5
ranscript Rush Fee**\$	5

Transcripts are now available on **myLane** at lanecc.edu.Fees for transcripts ordered on **myLane** will need to be paid with VISA or MasterCard.

\*\*Transcripts that are purchased from Enrollment Services or for transcript requests that indicate that they need rush service will be charged the **Transcript** Rush Fee.

#### **Average Total Costs**

Typical average yearly expenses excluding room and board, transportation, tools, and personal expenses:

Tuition\$4,725
Books*\$1,389
Special and Miscellaneous Fees (varies by program)\$567
Student Activity Fees\$168

A mandatory ASLCC student activity fee is required of all students taking credit classes on Lane's main campus.

Tuition rates, fees and refunds are subject to change without prior notice.

\* Open Educational Resources (OER) Some classes at Lane use Open Educational Resources (OER). OER takes the place of more expensive textbooks, reducing the overall cost of taking the class. For more information on classes using free and low-cost materials, visit lanecc.edu/oer or email oer@lanecc.edu

## **Differential Pricing Program**

Beginning with the 2003-04 academic year, Lane's Board of Education approved a differential pricing program to preserve some higher cost career technical programs. Some courses in the following programs currently have differential fees: Automotive Technology, Culinary Arts, Diesel Technology, Manufacturing Technology, Dental Hygiene, Dental Assistant, EMT/Paramedicine, Medical Assistant, Health Information Management, Nursing, Practical Nursing, and Physical Therapist Assistant.

## **Determination of Residency**

#### **Residents of Oregon**

**In-District\*** A student at least 18 years of age or a high school graduate who has maintained a permanent residency within the college district for no less than 90 continuous days prior to the first day of the term is classified as In-District. Residency requirements must be met prior to the date that a term begins.

To change residency to In-District or In-State, the student must initiate the change by printing out a residency form available in the forms section at <code>lanecc.edu/esfs/enrollment-services-forms</code>. Students must hand the form directly to an Enrollment Services advisor at the main campus. Residency requirements must be met prior to the date that a term begins, and residency changes must be made prior to the start of the term.

\* In-District includes Lane County, Monroe Elementary District, and Harrisburg Union High School District.

**In-State (Out-of-District)** A student who has maintained a permanent residency within the state for no less than 90 continuous days prior to the first day of the term is classified as In-State and pays Oregon tuition. Residency requirements must be met prior to the date that a term begins, and residency changes must be made prior to the start of the term.

Students who have maintained permanent residency within the states of Washington, Idaho, Nevada, or California for at least 90 days prior to the first day of the term also pay In-State tuition at Lane.

This exception in tuition does not allow for an exception in residency requirements for special or limited enrollment programs.

Please note that residency requirements are different at Oregon's public universities. Students intending to transfer should research specific residency requirements at public or private schools to which they will transfer. For more information, visit the website of the institution you are interested in attending.

#### **Out-of-State and International**

There are two residency categories in addition to In-District and In-State:

- Out-of-state but a citizen of the United States or registered resident alien.
- International (not a U.S. citizen or registered alien). International students do not become residents regardless of the length of residency within the district.

**Special Circumstances** A student may be classified as In-District or In-State if special circumstances can be documented. The following criteria are used to define special circumstances:

- A veteran and or veteran's dependents who have established permanent residence inside the college district within 90 days prior to the first day of the term and within three years of veterans discharge from active duty will be considered indistrict.
- A DD214 (military discharge papers) for the veteran or a DD-93 (record of emergency data listing dependents of veteran) may be required in order to qualify for residency status.
- A released Oregon State prisoner is considered In-District regardless of residency prior to sentencing if a state agency is the sponsor.
- A legal dependent or spouse of a person who has moved into the college district and established a residence is considered In-District.

**Residency** Student residency is determined from information provided by each applicant to the college. Residency does not change without some kind of student interaction. If a student wants to change residency, the student must initiate the change by visiting Enrollment Services, Building 1. The college may require additional documentation to clarify residency status. Only applicants who can provide sufficient documentation that the 90-day residence requirement clearly has been met will be classified In-district or In-State. Once residency has been changed to In-district or In-State, it cannot be reversed. Residency changes will not take affect until the subsequent term following the change.

Please be aware that being designated as an Oregon resident at Lane Community College does not guarantee the same status with other two-year or four-year institutions, both within and outside the state of Oregon. It is vital that you review the residency requirements at all institutions to understand their in-state residency requirements.

**Noncredit Continuing Education Classes** have no residency requirement.

#### **Financial Aid**

To apply for financial aid, students must submit a Free Application for Federal Student Aid (FAFSA) each academic year – summer through spring. The FAFSA is available at fafsa.gov. The FAFSA is available now for students applying for aid during the 2018-2019 academic year. The Financial Aid process takes approximately 6-8 weeks. Students should apply as early as possible after October 1, 2018 for the 2019-2020 academic year.

Lane offers three basic types of financial aid to eligible students: grants, work-study and loans. Typically, students are offered a combination of these financial aid awards. Loans must be repaid. Grants and work-study do not have to repaid as long as the student remains enrolled in the term they received funding.

Scholarships are a separate source of free aid. For more information, see *lanecc.edu/finaid/eligible*.

To view further information regarding the financial aid process at Lane, see *lanecc.edu/finaid*.

#### **Paying for Classes**

When you register for a class, you are agreeing to pay for the class. If you cannot attend the class, you must drop the class within the timelines listed in the class schedule or the college will charge you for it. See Refunds and Financial Aid for more information.

You may pay your college bill in the following ways:

#### **By Web**

Payments can be made on the web by check or savings account, VISA or MasterCard. Log on to *lanecc.edu* and access myLane. Once in myLane, click on "myFinances" tab, then click on "Make an Online Payment." Contact Enrollment Services at 541.463.3100 if you have questions about payments on the web.

#### By Mail

Send your payment to Lane Community College, P.O. Box 50850, Eugene, OR 97405-0999. You can pay by check or money order payable to Lane Community College. Include your student ID number ('L' student ID number).

#### With a Sponsoring Agent

If a sponsoring agency is paying some or all of your educational expenses, it is your responsibility to see that the agency has provided written authorization to Enrollment Services before you register. If the college doesn't receive your authorization in a timely manner, late fees will be added to your account balance. If you have questions, visit lanecc.edu/collfin/sponsored-accounts or email *SponsoredAccounts@lanecc.edu*.

#### **Payment Plans**

Lane offers interest-free payment plans that allow you to spread the cost of your education into affordable monthly or bi-weekly payments. More information on how to set up a payment plan can be found: lanecc.edu/collfin/college-account-payment-plans

## **Deferred Billing Terms Agreement**

When you register for the first time, the college sets up a college charge account to process your tuition and fees, other charges, credits, refunds, financial aid disbursements, and payments. You are responsible for paying your account in full, even if you are sponsored, expect to receive Financial Aid, think that a family member will pay, and/or never attend the class.

\*By registering, you have automatically accepted the terms of Lane's Deferred Billing Agreement. See *lanecc.edu/copps/documents/accounts-receivable-billing* to access the Deferred Billing agreement. Futhermore, by registering for any class at Lane, you are agreeing to retrieve your 1098T form by accessing the electronic version in myLane. The college does not mail 1098T's.

Payments On Account Using myLane at lanecc.edu Students will be able to make payments on outstanding balances using myLane. Students taking credit classes will not be mailed a billing notice until the final pink notice is mailed the month before an unpaid account goes into collection status. Credit level students may use the Billing Statement link under Student Records in myLane to arrange to have a paper bill mailed. Non-credit level students will be mailed paper statements unless they opt not to receive them, myLane will accept partial or full payments using credit cards, checks, or savings accounts. Refunds will be credited to the student's Lane account, and any credits/balance due will be mailed to the student. If a student is eligible to receive a refund but has a balance owed to Lane, which could be for the past, present or next term, the refund will be applied to the outstanding debt. Lane uses a third party pay system called Third Party Payment Authorization to allow you to assign access to a third party to make payments on your account. You may review the information and instructions on setting this up at lanecc.edu/esfs/tuition-fees-andpayments. All transactions are handled through a secure payment system.

#### **General Account Information**

To find out how much you owe, access myLane at *lanecc.edu*, click on "myFinances" tab.

Once Open Registration begins for the next term, you must pay all money you owe the college for the previous term before you can register each subsequent term.

#### **Late Fees**

- The college will assess a late fee of 2 percent on your unpaid balance from a prior billing period.
- A billing period is the time between statements.

**Notify the college if your address changes** by using myLane. It is your responsibility to maintain a current address, phone number and email in myLane at all times. The college will block you from registering or making any schedule changes if we receive returned mail. At the end of each term, any account with an invalid address and a balance will be moved to a collection agency.

**The college will charge you** a returned item fee for insufficient funds checks or rejected VISA or MasterCard charges.

The college has the right, without prior notice, to stop or suspend the extension of financial credit, withhold services, apply some non-payroll monies due you as a payment on your account, and/or turn your account over to a collection agency, under the following circumstances:

- The post office returns a bill the college sends you.
- The bank refuses payment on checks you write.
- Your VISA or MasterCard payment is declined.
- · Failure to pay.

Withholding services means that the college may withdraw you from your current classes, block your registration for future classes and workshops, and withhold transcripts.

#### **Consequences of Not Paying**

If you fail to pay your account, the college may take any or all of the following actions:

- · Require immediate payment in full
- Purge advance registration for future term
- · Block enrollment for any future terms
- Decline to provide official transcripts
- Turn accounts over to a collection agency for non-payment after four months\*
- Oregon State Tax Return offset
- \* Students will be mailed a final notice for accounts that are overdue before the college assigns them to a collection agency which reports them to a credit bureau. The collection agency will add additional collection fees, court and attorney costs to account.

Past Due Accounts Assigned to a Collection Agency After Four Months (120 days) Accounts will be turned over to a collection agency for non-payment after four months (120 days). Students will be mailed a final demand "pink" billing statement for past due accounts before the college assigns them to a collection agency. The collection agency will add their own fees and has the right to report past due accounts to a credit bureau. Failure to maintain a correct address in myLane will result in your account going to a collection agency if unpaid.

Past Due Accounts Must be Paid to the Assigned Collection Agency Students are not able to make payments to Lane for past due accounts that have been assigned to a collection agency. Students wanting to pay off outstanding debts owed to Lane cannot pay at Lane or in myLane and must contact the collection agency listed with the hold message in myLane to make payment arrangements.

Students who have paid their accounts in full with the collection agency will not be able to register or have a transcript released until Lane receives the funds from the collection agency and the Lane account balance has been completely cleared. Payments from collection agencies can take eight weeks to reach Lane. No exceptions will be made to allow a student to register or receive an unofficial or official transcript until the account shows paid in full in myLane at lanecc.edu.

#### Refunds

#### **Tuition**

When you register for a class, you agree to pay for it. If you officially drop the class by the refund deadline, the college will refund your tuition. If the college cancels a class, we will refund your tuition in full. It is your responsibility to drop any class that you do not plan to attend. Students must use myLane to officially drop a class. Refer to class schedule for deadlines.

Lane has an **all** or **no** refund policy. Whether or not a student receives a refund or **not** is based on the length of the class and the date that the student drops the class. Students who drop after the refund deadline **will not** receive a refund or credit for dropping the class. (Tuition is not prorated.) If a refund is applicable, the amount is automatically posted as a credit to the student's Deferred Billing Terms Agreement account.

Interpreting the table below, the class duration is the number of weeks the class is scheduled to meet. "Refund Deadline" means by midnight (11:59 p.m.) on Sunday of the first week. For workshop refunds, students need to contact the sponsoring department.

#### **Credit and Noncredit Classes Tuition Refund Table**

Class duration	Prior to start of classes	Drop Sunday week 1 by midnight
Classes 4 weeks or longer	ALL of the tuition will be refunded.	ALL of the tuition will be refunded.
Classes 2 to 3 weeks	ALL of the tuition will be refunded.	NO tuition will be refunded.
Workshops & classes, 1 week or less	ALL of the tuition will be refunded if dropped three working days or more before the workshop begins.	NO tuition will be refunded.

It is the student's responsibility to drop/withdraw from any class/ classes he or she does not plan to attend. No refunds or adjustments of tuition and fees will be granted after stated refund deadlines.

#### **ASLCC Student Activity and Registration Fees**

If the college cancels your only credit class, or you withdraw from all your classes during the refund period, the college automatically refunds these fees.

#### **How Refunds Are Processed**

- Refunds are first applied to any outstanding balance owed.
   If financial aid or a sponsoring agency paid your account, refunds are credited either to you or to the funding source, as appropriate.
- If you have paid your account with VISA/ MasterCard, a refund will be issued to the student by check or onto the laneccdebit card.
- The college applies all other refunds as a credit to your account.
   Refund checks are mailed or loaded onto the laneccdebit card, weekly.
- The Transportation Fee is nonrefundable after the full-term refund deadline. No exceptions will be made.

If medical/emergency circumstances beyond your control prevent you from dropping your classes by the refund deadline, you may request an exception to the refund policy. You must complete the Refund Request online form available at <code>lanecc.edu/collfin/student-accounts-refund-request-information/</code> emergency documentation of the circumstances. Petitions received after the eighth week of the term and/or without documentation will be denied.

If you have a documented medical or emergency reason why you dropped your class after the refund deadline, you can fill out the Refund Request online form and submit it to Student Accounts. A committee will review your request and respond.

Contact Student Accounts, 541.463.3011, 4000 E. 30th Avenue, Eugene OR 97405, for petitions about **credit classes**.

The deadline for submitting petitions requesting a Refund Request is 30 days from the end of the term. Refund requests submitted after this date will only be considered when a medical emergency prevented you from using myLane to drop classes by the refund deadline. Even if your petition is approved, you may still owe fees and finance charges.

For information about exceptions to the refund policy, call Student Accounts at 541.463.3011.

Contact the following departments for refund petitions about **Community Education classes**.

- Continuing Education, 101 W. 10th Avenue, Eugene OR 97401
- Cottage Grove Center, 1275 South River Road, Cottage Grove, OR 97424
- Florence Center, 3149 Oak Street, Florence, OR 97439
- Small Business Development Center, 101 W. 10th Avenue, Suite 304, Eugene OR 97401
- Workforce Development, 4000 East 30th Ave., Eugene OR 97405-0640

If a student does not plan to attend a class, official withdrawal from that class is the student's responsibility.



## **Academic and Student Affairs**

#### **Academic Advising & Referral Center**

Building 1, Room 207, 541.463.3800, academicadvising@lanecc.edu

Academic advising is available through the Academic Advising Referral Center. Advisors are located across campus and are situated in "neighborhoods" identified with: instructional programs, geographical areas and diversity services areas. The Academic Advising Referral Center offers students several academic advising services. Students can access their academic advisor by emailing academic advising@lanecc.edu, by directly contacting the academic advisor, or through the website at lanecc.edu, choose Moodle, choose Academic Advising, choose the Academic Advising link for your chosen major or area of interest, or by calling 541.463.3800.

Academic advisors have in-depth knowledge of academic departments' procedures and resources. New students meet with an academic advisor during the first term at Lane. These meetings orient students to their academic programs and provide help with course planning. Students are encouraged to meet with an academic advisor on a regular basis throughout their stay at Lane. Representatives from four-year schools in the state and region make regular visits to Lane Community College to meet with students considering transfer. Schedules of these visits are available in the Academic Advising Referral Center.

#### **Academic Learning Skills**

Building 11, Room 245, 541.463.5439

Academic Learning Skills (ALS) offers courses to improve student success in lower division, career technical, and transfer courses. ALS courses offer clear and direct articulation with courses required for the Associate of Arts Oregon Transfer degree. ALS coordinates class sequences and outcomes with the following departments and programs: Adult Basic and Secondary Education; English as a Second Language; Language, Literature and Communication; Health Careers; and Mathematics.

Students who take courses offered by Academic Learning Skills gain confidence and abilities to be successful in college-level classes. Students improve their reading, writing, vocabulary, critical thinking, math, and learning/study skills.

Credit Courses Academic Learning Skills offers courses for college credit in lecture and online formats. For more information about courses, see the Study Skills and College Prep heading in the course description section of this catalog. Other specialized courses may be found under the following headings in the course descriptions: Mathematics; and Writing.

Developmental Credit Limit Most of the courses in Academic Learning Skills are considered developmental courses. Students may be eligible to receive financial aid for up to 45-quarter credits (or equivalent) to complete developmental courses. For more information, contact Financial Aid at 541.436.3400 or visit lanecc.edu/finaid.

**Guided Studies Program** Guided Studies is designed for students whose placement test scores indicate the need to strengthen academic skills before entering college-level courses. Students must meet with the Guided Studies counselor/advisor to set up an academic plan.

#### **Center for Accessible Resources**

Building 19, Room 265, 541.463.5150, (voice); TTY Relay: 711 541.463.4739, Fax: accessibleresources@lanecc.edu; lanecc.edu/disability

The Center for Accessible Resources' (CAR) mission is to provide equal access and reasonable accommodations that allow students

to be active participants in the LCC community. CAR strives to promote student independence and resilience, and to foster and aide students in improving their self-advocacy skills. CAR partners with the LCC campus community to provide education, resources, and support through increasing awareness of accommodations, and promoting universal design and inclusive environments.

Some of the services that CAR provides are:

- · Accommodations for classes, including:
  - Test accommodations (extended time, reduced distraction
  - Alternate format (computer text with digital audio, Braille)
  - Accessible Technology (computer software and hardware, and other devices)
  - Service Providers (sign language interpreter)
- · Consultation, referrals and disability awareness information
- Accessibility information and maps

#### Center for Student Engagement

Center Building, Room 201 & 202, 541.463.3284

The Center for Student Engagement, or 'CSE', is the home base for student clubs on campus and is operated by professional staff and work-study students who serve as club assistants. Staff in the CSE offers advice and guidance to students who want to expand their academic experience to include extracurricular and co-curricular activities. We can help you find and join clubs that suit your interests, or assist you to develop a new group. The Council of Clubs meets in the CSE Meeting Room each week to discuss events, allocate resources, collaborate on projects, ratify new groups, and keep one another informed of the various activities on campus. Active clubs vary from year to year and represent many student interests on campus.

#### **Student Life and Leadership Development**

Student Life and Leadership includes many opportunities for students to become involved and gain leadership skills. These opportunities include the Black Student Union, Movimiento Estudiantil Chicano de Azatlan (MEChA), Native American Student Association, Asian Pacific Islander Student Union, Gender and Sexuality Alliance, Associated Students of Lane Community College Student Government (ASLCCSG), Oregon Student Association, and the Oregon Student Public Interest Research Group. Student Life programs provide students with opportunities to develop and enhance leadership skills and gain experiences in administration, budget development, programming, and communication through participation in committees, cultural programs, and workshops.

#### **Student Government: ASLCC**

Building 1, Room 201, 541.463.5290

The Associated Students of Lane Community College Student Government (ASLCCSG) legislative body is the Senate, composed of four executive officers, ten senators, and seven student staff positions (appointed, nonvoting positions). The purpose of ASLCCSG is to represent student interests and concerns and to promote student involvement in all phases of college life. Financing for ASLCC comes from the mandatory student activity fee\*. Contact the ASLCC president (541.463.5335), vice president (541.463.3197) or stop by their offices in Building 1, room 201 if you would like to: • serve on a college committee • plan an activity • become involved in student government • make suggestions and express concerns.

\*This fee is subject to change pending the Student Activity Fee Recommendations (SAFC) to the President and Board of Education.

#### **Student Government Programs-**

The Rainy Day Food Pantry, Building 1, Room 201The Rainy Day Food Pantry is a student led, student operated resource for all students at Lane. It is an official subsidiary of Food For Lane County and complies with all state and federal standards. The pantry is open through the week (hours vary each term) and is a welcoming place for students to get additional provisions to make ends meet. Services are provided anonymously.

**Snack Shack** Snack Shack Building 1, Second Floor, 541.463.5343 The student run snack shack is offered through Student Government and sells coffee, cold beverages and snacks etc. for students on a daily basis. Hours vary from 8 a.m.- 3:30 p.m. most days. Free coffee is offered every Wednesday. Proceeds from the Snack Shack help support the Rainy Day Food Pantry.

#### **Asian Pacific Islander Student Union**

Building 1, Room 210, 541.463.3245

The Asian Pacific Islander Student Union (APISU) mission is to offer a space for Asian and Pacific Islander students at Lane Community College (LCC) to meet and network in order to educate, promote, and encourage awareness of Asian Pacific Islander cultures and traditions at LCC and within our community locally, nationally, and internationally.

#### **Black Student Union**

Building 1, Room 210, 541.463.5340

The Black Student Union (BSU) is a student-based organization focused on the cultural, social and academic needs of African-American students attending Lane. It seeks to build cultural and community bridges in the general context of the academic environment. The BSU is open to all students, regardless of race, creed, color, religious affiliation, or sexual orientation. Membership requires a commitment to the BSU mission. BSU is committed to the development of cross-cultural ties with all groups on campus and in the community at-large.

#### **Native American Student Association**

Building 1, Room 210 & Longhouse, 541.463.3660

The Native American Student Association (NASA) of Lane Community College assists American Indian, Alaskan Natives, and Indigenous peoples in maintaining cultural values while pursuing their educational goals. NASA emphasizes the support, safety, and the educational success of the Native Americans and other ethnicities of Lane Community College. NASA is also involved in the recruitment of Native American high school students and the retention of college students as they pursue their Post--Secondary Education.

#### **Movimiento Estudiantil Chicano de Azatlan (MEChA)**

Building 1, Room 210, 541.463.5144

Movimiento Estudiantil Chicano de Aztlán (MEChA) is a student organization that promotes higher education, cultura, and historia. MEChA was founded on the principles of self-determination for the liberation of our people. We believe that political involvement and education is the avenue for change in our society.

#### **Gender & Sexuality Alliance**

Building 1, Room 201, 541.463.5331

The Gender & Sexuality Alliance is a student-run organization dedicated to providing a safe and nurturing environment for LGBTQA people and their Straight Allies to come together and express themselves, while working toward bettering their community and combating homophobia.

#### **Center for Student Engagement**

Center Building, Room 201 & 202, 541.463.3284

The Center for Student Engagement, or 'CSE', is the home base for student clubs on campus and is operated by professional staff and work-study students who serve as club assistants. Staff in the CSE offers advice and guidance to students who want to expand their academic experience to include extracurricular and co-curricular activities. We can help you find and join clubs that suit your interests, or assist you to develop a new group. The Council of Clubs meets in the CSE Meeting Room each week to discuss events, allocate resources, collaborate on projects, ratify new groups, and keep one another informed of the various activities on campus. Active clubs vary from year to year and represent many student interests on campus.

#### Concepcion "Connie" Mesquita Multicultural Center Building 1, Room 210, 541.463.5276

This center strives to create a space that is supportive of all people, a space that inspires students to stretch and realize their potential. The center offers support services to students of all ethnic backgrounds to ensure their academic success. Center staff can assist with admissions and financial aid information; referral to community resources including food, shelter, childcare, and medical and dental health; participation in our Student Identity Unions; and organizing events throughout the year that promote inclusion and understanding.

Connie Mesquita Multicultural Center Edificio 1, sala 210, 541.463.5276

Venga a la sala del Multi-Cultural Center y relagese, socialice y disfrutete o cafe en una atmósfera libre de racismo e homofobia. El centro crea un lugar que es seguro para todas las personas, es un lugar que inspira a los estudiantes a extender y desarrollar sus potenciales.

El Centro ofrece servicios de apoyo a estudiantes de todos los étnicos para asegurarles el éxito académico. El personal del Centro puede assistirle con información sobre admisión, ayuda financiera, participación en clubes y asociaciones estudiantiles, como empezar su

propio club estudiantil, organizar eventos durante el tiempo escolar para promover entendimiento e inclusión. También encontrara información sobre servicios disponibles hacia la comunidad, tales como; comida, refugio, guarderias, y servicios de salud medica y dental.

#### Longhouse

Building 31, 541.463.3660

The Lane Community College Longhouse is a multi-use facility available to all students and provides program and classroom space for culturally appropriate activities. Lane Community College was the first in the State of Oregon to open the doors of a Longhouse on a community college campus. Situated in Kalapuya territory, the Longhouse is a sovereign space where Native American students and the community can share their values and cultures to create mutual learning relationships. The Longhouse at Lane Community College continues its mission to provide a culturally sustainable home and place of learning. The elegant building is a container of rich and diverse Native American cultures. The Longhouse has had a positive impact on the campus and is a place of hope in the present day.

#### **Student Legal Services**

Access the Law, 245 W. 13th Avenue, Eugene. 541.686.4890

Legal advice is free and available to all credit students on main campus and is funded through the mandatory student activity fee. An attorney is available 20 hours per week with limited hours during summer term. Appointments may be made through the Access the Law office, Information can be found on campus at the Center For Student Engagement Center Building 201, 541.463.3284

#### **Maxwell Student Veterans Center**

Building 19, Room 233, 541.463.5111

The Maxwell Student Veterans Center provides a place on campus for student veterans to gather. The Center provides a lounge space, quiet study room, computers, and a meeting/workshop room. The center is operated by professional staff and several student workers who help veterans access resources and connect to other veterans on campus. The center offers programs and workshops designed to support veterans' academic success and completion, as well as peer tutoring and mentoring. The center is also the home base for Lane's chapter of the Student Veteran Association.

#### **Gender Equity Center**

Building 1, Room 202, 541.463.5353

The Gender Equity Center is a respectful, inclusive, and supportive environment for people of all gender identities to explore, celebrate, and educate the campus community about gender equity. Equality assumes that life is a level playing field where everyone gets the same things in order to thrive. The reality is that we all start from different places. Equity means giving people what they need to thrive. The Gender Equity Center provides resources for students, staff and faculty including educational resources, programs, events and peer mentorship through the Peer Gender Ambassador Program. The Center is committed to being a learning place where all levels of understanding are welcome and respectful dialogue is encouraged. The Center provides space for student groups to meet and gather to build community across the gender spectrum.

Areas of focus include:

- Women in Transition academic program
- · LGBTQ support and community building
- Transgender Advocacy and education
- Healthy Masculine Identities
- · CTE Advising for non-traditional career fields
- Title IX and Sexual Assault support

#### Commencement

Commencement is the annual ceremony Lane has for all graduates who complete their degrees during the academic year. The commencement ceremony is held in June. There is no separate application to participate in commencement. Students who have applied for graduation, and who have not completed their studies can still participate in the ceremony.

#### **Child Care**

**Child and Family Education Department** Building 24, Room 114, 541.463.5517; *lanecc.edu/cfe/lcfc* 

#### Lane Child and Family Center, Buildings 24, 25, 26

The Lane Child and Family Center is state licensed and nationally accredited through the National Association for the Education of Young Children and rated five stars by Oregon's Quality Rating and Improvement System. The preschool/child care program is located on the main campus and provides child care for children 30 months to 5 years of age for student, staff and community families. The

center is open 7 a.m.-5:30 p.m., Monday-Friday during the academic year and 7 a.m.-5:30 p.m., Monday-Thursday the first 10 weeks of summer term. The professional teaching staff has extensive education and training in Early Childhood Education. The center is a teacher preparation school for students in the Early Childhood Education program and a cooperative preschool where parents can volunteer in the classroom and reduce their child care fees.

Child care grant and subsidy assistance is available. Students with children enrolled in the Lane Child and Family Center may qualify to receive a CCAMPIS grant, reducing child care expenses by 75 percent. For additional information and fee schedules, contact the Child and Family Education Department office or visit the web, lanecc.edu/cfe/lcfc.

**Quality Care Connections,** Building 24, 541.463.3954, or 800.222.3290

Quality Care Connections is a community-based program that works to ensure the children of Lane students and other families have access to safe, quality and affordable child care. Quality Care Connections pro- vides the following services:

**Students** Students who are parents can receive personalized referrals to child care options in Lane County based on specific family needs. Trained consultants search hundreds of child care listings and offer support in making appropriate child care connections. Parents receive research-based information to help assess the quality of their child care choices.

**Child care professionals** Assistance in launching a child care business, training, technical assistance, and resources are offered to people who are interested in caring for children. Training topics include first aid/CPR, business development, and child guidance. Classes are offered evenings and weekends. Professional development scholarship opportunities are available on a limited basis.

**Servicios en Español** Servicios en Español son ofrecidos y disponibles a todos, 541.463.3306.

#### **Computer Labs**

All students registered for credit classes have unlimited access to open computing labs on the main, Downtown, Cottage Grove and Florence campuses. The technology resource fee paid by each student provides this access.

Open lab hours:

- Main Campus Monday-Thursday, 7:30 am-7 pm; Friday, 7:30 am-5:30 pm
- Downtown Center For hours, call 541.463.6100
- Florence Campus Monday-Thursday, 8 am 9 pm; Friday, 8 am-4 pm
- Cottage Grove Campus Monday-Thursday, 9 am-6 pm; Friday, 9 am-2 pm

For more information including current hours and specific locations of open labs, visit the websites for the LCC Downtown Center, LCC at Florence and LCC at Cottage Grove.

In addition, many departments or programs provide computer labs for their enrolled students. For specific information about the location, hours and ADA access of Main Campus open computer labs and program-specific labs, go to *lanecc.edu/it/computerlabs* or call the Student Help Desk at 541.463.3333.

## **Counseling & Career Center**

Building 1, Room 103, 541.463.3600, lanecc.edu/ccc

Free same day or future appointments can be made by calling or coming into our center.

Counselors proactively provide support that leads to student success and retention. We foster meaningful connections contributing to clearer academic and career direction, as well as increased confidence, self-advocacy, and motivation. Counselors empower students to recognize and overcome internal and external barriers in order to reach their goals. Access, equity, and inclusion principles help us prioritize our efforts.

**Personal and Retention Counseling:** We provide counseling and resource referrals for students with academic or personal concerns impacting their ability to reach short term and long term goals. During open hours, there is a counselor available to help students with crises or emergencies.

**Career Counseling:** Through individual counseling, workshops, and Career and Life Planning classes, we help students to clarify their interests, strengths, values, and goals; explore majors and career fields; and develop a vision for their future and next steps.

**Substance Abuse Prevention:** Lane provides drop-in substance abuse prevention services for all students, staff, and faculty. This includes support groups and/or information on a variety of addictive behavior concerns. (See page 27-28 for more information)

**Human Development Classes:** Counselors are faculty members who teach Human Development classes, including College Success (CG100), Career and Life Planning (CG140), Human Relations at Work (CG203), College Success: Back On Course (CG100BC), and Improving Parent-Child Relations (CG213). Some courses are offered online. CG100 (the 3-credit course only) and CG203 may fulfill the human relations requirement for associate of applied science degrees and certificates. All 3-credit CG courses fulfill the social science requirement for the associate of applied science, associate of general studies, and associate of science degrees. All CG courses (1-3 credits) will fulfill electives for the associate of arts Oregon transfer and other transfer degrees.

Lane counselors are highly trained professionals with a variety of credentials. All counselors engage in continuing education to maintain excellence and currency in services. All counselors subscribe to the Ethical Standards of the American Counseling Association, and Licensed Professional Counselors are bound by the Oregon Code of Ethics. These standards and laws protect student confidentiality and other rights. Personal information discussed with a counselor is private and confidential, unless the student gives written permission to share it with others; it involves potential danger to self or others; it involves child, elder or vulnerable adult abuse; a court orders the release of information; or other exceptions in accordance with Oregon statutes.

The main campus Counseling and Career Center is open Monday through Friday, 8am-5pm, as well as summer term hours when the college is open. Contact the Florence center for information about counseling services on that campus.

## **Credit for Prior Learning**

Generally, there is no need to take a class when a student has already learned the material, no matter where or how. Four alternative ways of earning credit are listed below:

**Credit-by-Examination** Credit-by-Examination (CBE) gives students the opportunity to demonstrate they have mastered material covered in a Lane course. In some cases, they take written examinations covering the content of a course. In other cases, they give performances or demonstrations of their skills in certain areas. If

they are successful, Lane will award them college credit. Students must have completed at least 12 credits of non-CBE coursework at Lane and must currently be enrolled in at least six credit hours. Many courses may be challenged through the CBE process. Information on procedures and fees is available at Enrollment Services in the lobby of Building 1.

Credit-by-Assessment Students who have experience and knowledge in certain areas may receive college credit for many Lane courses through the Credit-by-Assessment (CBA) process. Examples of relevant experiences are work, volunteer work, travel, certain hobbies, noncredit courses, workshops, and work at schools accredited differently than Lane. If a student can describe and satisfactorily document that such learning satisfies one or more course requirements, faculty members will evaluate these accomplishments and may award course credit. Students must have completed at least 12 credits of non-CBE or CBA coursework at Lane and must currently be enrolled in at least six credit hours. CBA is different from having one's transcript evaluated, a service of the Student Records Office, and also is different from the Credit-by-Exam procedure. Information on procedures and fees is available at Enrollment Services in the lobby of Building 1.

The maximum CBE and CBA credit which may be applied to any degree or certificate is 25 percent.

College-Level Examination Program and Advanced Placement Students may take exams on many college subjects through the College-Level Examination Program (CLEP) and receive credit for satisfactory scores in both general areas and various other specific subject areas. The credit Lane grants also is granted at most four-year colleges and universities. These credits do not appear on the Lane transcript. Lane accepts the following general examinations: social sciences/history, natural sciences, and humanities (arts and letters). Lane also accepts the following subject examinations: American History I and II, American Literature, Biology, Calculus with Elementary Functions, Chemistry (General), English Literature, French, Microeconomics, Macroeconomics, Spanish, and Sociology. Contact the Enrollment Services/Student Records Office for more information.

Students who have earned credit through the Advanced Placement (AP) program, usually through advanced high school courses, may receive credit for satisfactory scores. You need to provide Lane with an official report. To order a report, contact the College Board/ Advanced Placement at 1-888-CALL-4-AP.

There is more information on Lane's website on scores and exams for both CLEP and AP.

**Miscellaneous Training and Credit** Credit is granted for military training and for work completed at some proprietary schools. Such credit generally applies only toward a vocational program and does not appear on the student's Lane transcript. The student should apply for such credit in Enrollment Services, bringing certificates of completion, school records or other available documentation. The student is notified of the credit granted by requesting a general evaluation (request forms are in Enrollment Services and Student Records), and a record is kept in the student's file. A veteran student will be granted 3 credits of PE (either required or 3 credits in Open Electives) by providing the college with a copy of a DD 214 with an Honorable Discharge.

#### **Enrollment Services**

Building 1, First Floor, 541.463.3100, 877.520.5391, lanecc.edu/esfs/ or Asklane@lanecc.edu

Enrollment Services provides services for new and returning Lane students. These services include:

- · Admission assistance
- Cash payments
- · Receiving documents from students
- · Assistance with myLane on:
  - Registration
  - Ordering official transcripts
  - Making credit card, debit, or check payments
  - Updating address, telephone and email information

Hours of operation: Monday-Friday, 8:30 a.m.-5:00 p.m.

#### **Financial Aid**

Building 1, First Floor (Lobby), 541.463.3400, *lanecc.edu/finaid*, email *finaid@lanecc.edu* 

Financial aid provides assistance to new and returning students in accessing federal and state funding resources to help meet the cost of their educational goals. Staff is available by email, telephone, or in person to help students understand and navigate the financial aid process. Visit *lanecc.edu/finaid* for office hours and more information about the financial aid process.

#### First Year Experience

Lane's First Year Experience (FYE) guides first-year, degree-seeking students in their transition to and engagement with Lane Community College. Through online and in-person activities, the FYE exposes students to a variety of opportunities to help students make sound decisions in career, academic and financial arenas. Success coaches and peer mentors provide a welcoming, accessible environment (both in-person and online), where students can identify and overcome obstacles which could impede progression and goal attainment. Location: 1/103, Phone: (541) 463-5771 Email: FirstYearExperience@lanecc.edu

#### **Food Services**

Foodservices provides several food service options located throughout campus for students, faculty, staff, and visitors.

The LCC Food Court, located on the first floor of the Center Building, features six unique restaurant outlets offering a wide variety of menu options for breakfast, lunch, and dinner. All menus are inspired by using locally sourced materials, scratch cooking methods, and carefully selected products to ensure the highest quality.

**LimeFresh** Simple and healthy South-of-the-border inspired recipes with vibrant and bold flavors of the Latin world

**B & D's Country Kitchen** Simple yet classic recipes to satisfy your breakfast craving

Raw Berry Fresh soups and customizable salads

Five Spice Asian inspired wok cooking

**Stonefire** Hand stretched pizza made in our stone-fired oven and made-to-order delicatessen style sandwiches

**Crush Burger** Hot, fresh, and sustainably-sourced burger selections made-to-order

**Blenders Espresso Bar** has two locations, located on the second floor of the Center Building, right above the Food Court as well as in Building 30. Here we feature Global Delights coffee, which is fair-trade certified and 100% organic. Blenders offers a variety of coffee drinks, smoothies and hand-spun shakes, and various grabn-go items such as pastries, yogurt, pre-made sandwiches, salads,

and bottled beverages. Blenders Express is located in Building 16 offers superior drip coffee and fine teas. Grab-n-go items are also available including pastries, yogurts, salads, sandwiches and large selection of bottled beverages.

Our hours of operation vary due to the class schedules so please visit *lanecc.edu/food* for each outlet's hours of operation. Every outlet in Food Services accepts cash, all major credit cards, Apple Pay, and Android Pay.

#### **Health Clinic**

Building 18, Room 101, 541.463.5665

**Health Clinic Staff** Our staff includes family nurse practitioners, physicians, a registered nurse, medical assistants, front office staff, a clinic director, an administrative assistant, and students in Health Professions programs.

Services The Lane Community College Health Clinic provides a broad range of health care services to eligible Lane students and staff. Our mission is to provide affordable, efficient, evidence-based health care to the students and employees of Lane Community College. The Health Clinic staff provides holistic care in a collaborative partnership with the patient, with respect for diverse beliefs and needs, assisting the patient to make informed decisions about disease prevention and management of chronic conditions. The clinic provides education to patients to enable them to be better consumers of health care and stewards of their own health.

Appointments can be made by calling the Health Clinic at 541.463.5665. Office visits are free of charge to all eligible students and staff. We offer some additional services at low cost including immunizations, in house labs, program and sports physicals, minor surgeries, and lesion removal. We provide lab services and utilize Quest Diagnostics to process specimens. Quest Diagnostics will bill you or your insurance. Available services include, but are not limited to:

- Diagnosis and treatment of many acute and chronic illnesses
- · Sexual health
- · STI testing and treatment
- · Contraception management
- · Wellness/annual exams for women and men
- · Student program physicals
- · Sports physicals
- Immunizations/titers
- Tobacco cessation
- Treatment of minor trauma including sprains, strains, cuts, and abrasions
- Behavioral health concerns including depression, anxiety, insomnia, and stress management with referral as appropriate
- · Resources and referrals to specialty providers

**Confidentiality** All services provided are confidential. A confidential electronic medical record is established for each patient and is protected by Federal and State laws governing the release of these records. The electronic records are stored on a network and servers that are not a part of Lane Community College IT network. The records are only accessible by Health Clinic staff and not by any other department on campus (subject to Federal and State statutes).

**Payment Methods** The Health Clinic bills Trillium and DMAP for all services covered by the Oregon Health Plan. Payments for our fee-based services are due at the time of service (cash, check, or to an open LCC account). Lab costs will bill directly to your insurance or directly to you by Quest Diagnostics if you do not have insurance coverage.

**Clinic Hours** Fall, winter, and spring terms the clinic is open on all days classes are in session; summer term hours may vary and the campus, including the health clinic, is closed on Fridays during the summer.

Monday – Wednesday 8 a.m.-4:45 p.m.

Thursday 10 a.m.-4:45 p.m.

Friday 8 a.m. -4:45 p.m.

We are closed Saturday, Sunday, holidays, and any other time the campus is closed. There may be unscheduled closings due to inclement weather or other unforeseen circumstances.

If you have a medical emergency while on campus, please call Public Safety at 541.463.5555.

If you are not on campus, dial 911 or report to a local emergency department.

LCC Health Clinic does not provide after hours medical care.

#### Housing

Titan Court is a 6-story apartment community located in Downtown Eugene, Oregon. This certified LEED Gold community features Studio, 2 bedroom shared, and 4 bedroom apartments with an allinclusive utility package. These apartment homes are leased individually by the bedroom and come fully furnished for an easier move. The building includes upgraded lighting, enhanced cabinetry, brand new appliances, high-end finishes, and a card access entry system. In addition, each unit is furnished with a 32" flat-panel HDTV with cable service. All residents are able to take advantage of the properties amenities which include the multimedia room with the large screen projector, on-site high efficiency laundry machines, quiet study lounges, computer lab with free printing, game room with Xbox One and PS4, free bike loan program, indoor bike storage and free onsite trash and recycling areas. Titan Court is within walking distance to many downtown attractions including the public library, bus station and many restaurants. Titan Court offers an engaging students first program filled with resident events to encourage social interaction and academic success. For more information, visit titancourt.com or call 541.344.2828.

The following options also are available for Lane Community College students taking credit classes leading to a degree, certificate or transfer program. Students must meet application and income criteria determined by the agency operating each complex and must complete a separate application process for each location. Once the application process is complete, space will be allocated as available.

The Student Life and Leadership Development department is not responsible for housing referrals. You must contact each complex individually.

#### Bagley Downs, 19th Avenue between Pearl and High, Eugene

- St. Vincent de Paul offers these units in partnership with Lane.
   All units are two bedroom.
- Call 541.687.5820, ext. 130 to get on the Lane Community
  College waiting list. As units become available students on the
  list will be contacted to complete application and verify income
  and student status.

#### Aurora Building, 100 East 11th, Eugene Village Oaks, 3606 West 18th, Eugene Firwood, 2139 West 12th, Eugene

- Students should apply in person at the Lane County Housing Authority, 300 West Fairview, Springfield.
- Some students may already be on the waiting list at these places. Students also may be on lists at other HACSA complexes. Contact the Lane County Housing Authority, 300 West Fairview, Springfield, and also ask to be placed on the Lane Community College waiting list.

#### College Corner, 704 Mill Street, Springfield

 Contact Jennings Property Management, 541.683.2271 for more information regarding Jennings application process.

#### University of Oregon housinguoregon.edu

 Students who are dual-enrolled may access the UO Housing Office, 541.346.4277.

Many students reside in rental apartments throughout the Eugene-Springfield area. Lane's Student Life and Leadership Development office provides housing referral information to Lane students. Housing information also can be found at *registerguard.com* and at *lanecc.edu/studentlife/housing-information*.

Contact Lane Community College Student Life and Leadership Development, 541.463.5336.

#### **International Programs**

Building 11, Room 235; 541.463.3434; lanecc.edu/international

Admissions/Advising and Student Activities: Bldg. 11, Room 235

More than 400 international students from over 40 countries attend Lane Community College. Students who are in the United States on an F-1 student visa can study in either the ESL Program or in credit level classes. International Programs helps students create positive and successful educational experiences that include orientation to the college and community, immigration advising, academic advising, transfer planning, assistance with housing and recreational activities. Opportunities are available throughout the school for both international and American students, including on-campus activities and enrichment trips to local, regional and statewide places of interest. Students from all over the world join together and share their cultures in activities such as, Coffee Talk social hours, holiday celebrations and an annual International Day. Activities focus on making friends and learning about each other and other cultures.

International Programs supports students in maintaining their F-1 status and with SEVIS rules. SEVIS requirements mandate that international students successfully complete 12 credits/18 hours per term with a 2.0 GPA. Support is provided to international students with difficulty meeting this requirement through the International Success Program, which includes tutoring, required classes and extra advising. This is offered to help students meet their academic goals and stay in status with immigration rules and regulations. Students who do not meet these requirements have their SEVIS status terminated and must return home or transfer. For information about the SEVIS rules see lanecc.edu/international/immigration-policies.

## **Legal Services**

Building 1, Room 206, 541.463.5365

Legal advice is free and available to all credit students on main campus through the mandatory student activity fee. An attorney is available 20 hours per week with limited hours during summer term. Appointments may be made through the Access the Law office, 541.686.4890, 245 W. 13th Avenue, Eugene.

#### Library

Center Building, Second Floor, 541.463.5273, library.lanecc.edu

The Library provides resources for the instructional, research, recreational, and general information needs of students, faculty, staff and community residents. The collection includes over 60,000 books and audiovisual materials, over 200,000 e-books, subscriptions to print periodicals, and a wide variety of databases offering online

access to over 90,000 periodicals. Remote access to the Library's catalog and full-text online databases is available to Lane students and staff. The Library's website is *library.lanecc.edu*.

**Instruction and Services** Librarians provide information assistance to individual students, faculty and staff; offer classes in library research skills; present orientations to classes; assist with the preparation of research assignments; prepare specialized bibliographies; design course-specific web pages; and work with faculty to develop the Library's collection and provide curriculum support. Lane students can borrow materials from libraries in the Pacific Northwest and beyond. The library also provides computers and equipment, group study rooms, video viewing, a library classroom, and assistive technology.

**Hours**The Library is open 7:30 a.m.-7 p.m. Monday throughThursday and from 7:30 a.m.-5:00 p.m. Friday.The Library is closed Saturday and Sunday.

**Open Educational Resources (OER)** Some classes at Lane use Open Educational Resources (OER). OER take the place of more expensive textbooks, reducing the overall cost of taking the class. For more information on classes using free and low-cost materials, visit <code>lanecc.edu/oer</code> or email <code>oer@lanecc.edu</code>

#### Music, Dance and Theatre Arts

**Music** Music students at Lane have many opportunities to perform publicly as soloists and as members of vocal and instrumental ensembles. Lane has a chamber choir, concert choir, gospel choir, symphonic band, jazz ensemble, chamber orchestra, and jazz combos. These groups perform regularly at term's end and on special occasions, including tours. Solo musicians are encouraged to perform in showcases held once or twice a term, usually at noon, on the main stage. Some of Lane's music ensembles are open to all students, others require auditions. Lane features a two-year curriculum designed for music majors, a vibrant music technology program, and a variety of general music courses accessible even to beginners. Individual lessons are available for voice and various instruments. Whether students already have some music training or want to get started, they can share the joy of making music at Lane.

**Dance** Dance students have a variety of performance opportunities throughout the year. Students perform on the main stage in Open Show at the end of each term. Open Show is an informal, supportive and fun performance opportunity where dancers of all levels hone their technical and performing skills. Intermediate and advanced level dancers audition for the Lane Dance Company where they work with faculty and guest choreographers on original and repertory work for the annual faculty concert Collaborations. The Works Student Dance Concert showcases student choreographers and dancers in a formal theatrical setting. Students move from the studio studying choreography, to the stage where they learn about lighting, costuming, and performance skills. Lane's dance program is designed for dance majors to transfer to 4-year programs. It is a two-year curriculum based in technique, somatics, creativity and performance that develops the dancer physically, intellectually and emotionally.

**Theatre Productions** Productions are the logical outcome of class work, and Lane strongly encourages its theatre arts students to audition for shows. Public performance is the ultimate test of skill and courage. The Theatre Arts program produces several shows a year. Casting policy puts students first and often includes guest artists and performers from the greater Lane community and beyond. Lane has earned a reputation for producing some of the best shows in the area.

The Student Production Association is the producing arm of the Theatre program offering students the opportunity to participate in all aspects of producing a full season of productions. Each year we regularly produce student written plays as well as an independent

film. Lane faculty maintains strong relations with other producing groups in the community, often recommending students upon the request of that organization and providing students an opportunity to receive credit for their work. Talent grants and scholarships are available. For more information, call 541.463.5648.

#### **Photo ID**

A Lane Community College Photo ID is not required for conducting business at Lane. Many business processes will require a form of photo ID, including a valid driver's license, Lane photo ID or passport. The \$5 charge of a Lane Photo ID is not included in the ASLCC student activity fee. Any faculty/staff member or student currently registered at Lane may purchase a Lane Photo ID from the Titan Store on main campus. Replacement cards are \$5. Photo ID's are available beginning the Tuesday of the second week of each term. For information and hours, contact the Titan Store at 541.463.5256.

#### **Sports and Fitness**

Fitness Education Center, Building 5, Room 101, 541.463.3987

The Fitness Education Center provides state-of-the-art exercise equipment and educational instruction in health and fitness. Staff and students gain access to the center during open hours by registering for Fitness Education: Introduction and Fitness Education: Orientation. Students and staff may continue to take the course by registering for Fitness Education: Returning. Students satisfy course requirements through attending exercise sessions during usage hours. The class is available for credit or non-credit through Continuing Education. The environment is supportive, not competitive, educational and encourages people of all fitness levels and abilities. In addition, a professionally trained and dedicated staff is always available for personal guidance.

Potential benefits of participation in a regular exercise program include: increased energy, improved ability to cope with stress, reduced risk of developing chronic diseases, increased focus and concentration, weight maintenance, and improved self-image.

Recreational Sports Program, Building 5, Room 204, 541.463.5293

A current valid student ID or other proof of current term enrollment is required for participation/purchase.

The Recreational Sports program offers a selection of services at discounted rates for eligible students. These include: community sports, family activities, trips and outings, on campus drop-in opportunities, and discounted admissions to local attractions/activities. Eligible Lane students may participate in local athletic leagues at discounted rates. The one-day and weekend events offer an opportunity for social growth and recreational participation in a safe and fun environment. By design, the program is intended to create a climate where everyone is welcome. Participation in the program is voluntary and determined by interest. Please visit the Recreation Office in the Building 5 foyer area for current term offerings. All recreational sports activities are governed by regulations provided in the Recreational Sports Handbook and supervised by the Recreational Sports office.

Intercollegiate Athletics, Building 5, Room 205, 541.463.5599

Lane Community College sponsors intercollegiate athletics that encourage an emphasis on academics, personal development, personal enrichment, community support, career development, and athletic excellence. The intercollegiate athletic program offers students opportunities to compete in ten varsity sports: Men's and Women's Basketball, Men's and Women's Cross Country, Men's and Women's Track and Field, Men's Baseball, Men's and Women's Soccer, and Women's Volleyball. Teams participate in the Northwest Athletic Conference (NWAC) with 36 other Idaho, Oregon, Washington, and Canadian colleges. The NWAC governs the conference, which is

divided into four main regions (north, east, south, and west). Lane competes in the southern region. Qualifiers from each region compete annually for conference championship titles.

Fall	Winter	Spring
Women's Cross Country	Women's Basketball	Men's Baseball
Men's Cross Country	Men's Basketball	Women's Track & Field
Women's Soccer		Men's Track & Field
Men's Soccer		

The administration of the Athletic program is conducted through the Health, Physical Education and Athletic Division. The division chair oversees all employees of the Intercollegiate Athletic and Recreational programs. Personnel include the athletic director, head coaches, assistant coaches, athletic trainer, athletic administrative specialist, student recreation director, recreation assistants, and student academic coordinator.

## **Student Email**

Women's Volleyball

Lane Community College has established email as an official means of communication with students.

Your student email account is used by the college to communicate important information such as course changes, information about your program of study, and notifications about academic recognition. You can also use the account for personal correspondence.

Students can get help with their email accounts at the Student Help Desk (SHeD) at 541.463.3333, email shed@lanecc.edu or visit the Student Help Desk in the library.

#### Student Government: ASLCC

Building 1, Room 210, 541.463.5290

The Associated Students of Lane Community College Student Government (ASLCCSG) legislative body is the Senate, composed of four executive officers, ten senators, and seven student staff positions (appointed, nonvoting positions). The purpose of ASLCCSG is to represent student interests and concerns and to promote student involvement in all phases of college life. Financing for ASLCC comes from the mandatory student activity fee\*. Contact the ASLCC president (541.463.5335), vice president (541.463.3197) or stop by their offices in Building 1, room 201 if you would like to: • serve on a college committee • plan an activity • become involved in student government • make suggestions and express concerns.

\*This fee is subject to change pending the Student Activity Fee Recommendations (SAFC) to the President and Board of Education.

#### **Student Government Programs**

The Rainy Day Food Pantry, Building 1, Room 201The Rainy Day Food Pantry is a student led, student operated resource for all students at Lane. It is an official subsidiary of Food For Lane County and complies with all state and federal standards. The pantry is open through the week (hours vary each term) and is a welcoming place for students to get additional provisions to make ends meet. Services are provided anonymously.

Snack Shack, Snack Shack Building 1, Second Floor, 541.463.5343 The student run snack shack is offered through Student Government and sells coffee, cold beverages and snacks etc. for students on a daily basis. Hours vary from 8 a.m.- 3:30 p.m. most days. Free coffee is offered every Wednesday. Proceeds from the Snack Shack help support the Rainy Day Food Pantry.

# Student Life and Leadership Development

Building 1, Room 206, 541.463.5336

Student Life and Leadership includes many opportunities for students to become involved and gain leadership skills. These opportunities include the Black Student Union, Movimiento Estudiantil Chicano de Azatlan (MEChA), Native American Student Association, Asian Pacific Islander Student Union, Gender and Sexuality Alliance, Associated Students of Lane Community College Student Government (ASLCCSG), Oregon Student Association, and the Oregon Student Public Interest Research Group. Student Life programs provide students with opportunities to develop and enhance leadership skills and gain experiences in administration, budget development, programming, and communication through participation in committees, cultural programs, and workshops.

Asian Pacific Islander Student Union, Building 1, Room 210, 541.463.3245

The Asian Pacific Islander Student Union (APISU) mission is to offer a space for Asian and Pacific Islander students at Lane Community College (LCC) to meet and network in order to educate, promote, and encourage awareness of Asian Pacific Islander cultures and traditions at LCC and within our community locally, nationally, and internationally.

Black Student Union, Building 1, Room 210, 541.463.5340

The Black Student Union (BSU) is a student-based organization focused on the cultural, social and academic needs of African-American students attending Lane. It seeks to build cultural and community bridges in the general context of the academic environment. The BSU is open to all students, regardless of race, creed, color, religious affiliation, or sexual orientation. Membership requires a commitment to the BSU mission. BSU is committed to the development of cross-cultural ties with all groups on campus and in the community at-large.

Concepcion "Connie" Mesquita Multicultural Center Building 1, Room 210, 541.463.5276

This center strives to create a space that is supportive of all people, a space that inspires students to stretch and realize their potential. The center offers support services to students of all ethnic backgrounds to ensure their academic success. Center staff can assist with admissions and financial aid information; referral to community resources including food, shelter, childcare, and medical and dental health; participation in our Student Identity Unions; and organizing events throughout the year that promote inclusion and understanding.

Connie Mesquita Multicultural Center Edificio 1, sala 210, 541.463.5276

Venga a la sala del Multi-Cultural Center y relagese, socialice y disfrute te o cafe en una atmósfera libre de racismo e homofobia. El centro crea un lugar que es seguro para todas las personas, es un lugar que inspira a los estudiantes a extender y desarrollar sus potenciales.

El Centro ofrece servicios de apoyo a estudiantes de todos los étnicos para asegurarles el éxito académico. El personal del Centro puede assistirle con información sobre admisión, ayuda financiera, participación en clubes y asociaciones estudiantiles, como empezar su propio club estudiantil, organizar eventos durante el tiempo escolar para promover entendimiento e inclusión. También encontrara información sobre servicios disponibles hacia la comunidad, tales como; comida, refugio, guarderias, y servicios de salud medica y dental.

Gender and Sexuality Alliance, Building 1, Room 201, 541.463.5331

The Gender & Sexuality Alliance is a student-run organization dedicated to providing a safe and nurturing environment for LGBTQA people and their Straight Allies to come together and express

themselves, while working toward bettering their community and combating homophobia.

Movimiento Estudiantil Chicano de Aztlán (MEChA), Building 1, Room 210, 541,463,5144

Movimiento Estudiantil Chicano de Aztlán (MEChA) is a student organization that promotes higher education, cultura, and historia. MEChA was founded on the principles of self-determination for the liberation of our people. We believe that political involvement and education is the avenue for change in our society.

Native American Student Association, Building 1, Room 201A, 541.463.5238

The Native American Student Association (NASA) is an organization established to provide Native American students an environment which supports traditional cultural values and beliefs and academic achievement. NASA's priority is fostering a positive educational environment for Native American students while they are attending Lane. NASA assists all Native American students in maintaining contact with their tribal educational and financial departments, family, and the Bureau of Indian Affairs. Contacts are supported through the NASA faculty advisor and the network of Lane advisors. NASA openly welcomes all students at Lane to actively participate in NASA events and feel at ease to ask questions about tradition, heritage and the history of the Native American people. The Native American Student Advisor is James Florendo.

#### Phi Theta Kappa Honor Society, 541.463.5345

PhiTheta Kappa is the only honor society for students enrolled in two-year colleges. It originated in 1918 in Mississippi and has over 1,000 chapters which honor students' academic achievement in every discipline. The Sigma Zeta Chapter began at Lane in 1968 and is one of the oldest chapters in Oregon.

To join, students must currently be enrolled in a degree, certificate or transfer program, have completed 12 full-time or 18 part-time credits, have a GPA of 3.25 or better, and be recommended by two members of the faculty as being self-motivated and committed to excellence. There are one-time dues which are payable in several options.

## Student Help Desk (SHeD)

Center Building, 2nd Floor, 541.463.3333, shed@lanecc.edu; lanecc. edu/learningcommons/student-help-desk; live online chat and online knowledgebase at help.lanecc.edu

Knowledgeable staff are ready to provide immediate assistance to students with Moodle, myLane, wireless access and other academic technologies. Call, email, drop by, or use the online chat tool. The SHeD is open Monday-Friday, 8 a.m.-5 p.m. The Self-Help Knowledgebase has answers to many commonly asked questions and is available anytime.

## **Student Legal Services**

Access the Law, 245 W. 13th Avenue, Eugene. 541.686.4890

Legal advice is free and available to all credit students on main campus and is funded through the mandatory student activity fee. An attorney is available 20 hours per week with limited hours during summer term. Appointments may be made through the Access the Law office, Information can be found on campus at the Center For Student Engagement Center Building 201, 541.463.3284

#### **Student Publications**

**Denali Literary and Arts Magazine,** Center Building, Room 457, 541.463.5419; Denali Office, Center Building, Room 024, 541.463.5897

Denali is LCC's literary and visual arts magazine published once a year. Original poetry, prose, visual and graphic arts are accepted for evaluation by a student-run editorial board.

Denali operates under the guidelines of the LCC Media Commission. A student editor is selected through a competitive hiring process in late spring. The editor may elect to work with a faculty advisor and editorial board. The magazine is published in spring of the following year and distributed free of charge to Lane Community College students and staff, and to the Lane County community.

Students wishing to submit copy or art, or become involved in any aspect of producing the magazine may contact the Denali editor at denali@lanecc.edu.

Students interested in earning Cooperative Education credit may contact Cooperative Education at 541.463.5203.

Torch, Center Building, Room 008, 541.463.5654

The Torch is an award-winning, student-produced, weekly campus newspaper with an average circulation of 2,200 copies. Published by authority of the Lane Community College Board of Education through the LCC Media Commission, it is an independent newspaper free from censorship by the college administration, faculty and student government.

The Torch serves three purposes: it provides news and information of importance and interest to Lane students and staff; it serves as a learning laboratory for students of journalism, photography, graphic arts, multimedia, web design, and advertising; and it provides a communication channel for student commentary and debate. All Lane students may submit guest commentaries and letters for publication in the Torch. Any Lane County resident is eligible to work for the Torch, should they meet the hiring criteria.

Cooperative Education credit in journalism, graphic design, photography, web design, and media arts is available for students working on the Torch. Students interested in joining the Torch staff may contact the Torch editor at *editor@lcctorch.com* (541.463.5655) or Charlie Deitz, news and editorial advisor, at 541.463.5654.

#### **Substance Abuse Prevention**

The Recovery Center, Building 1, Room 226, 541.463.5178

The Recovery Center ("Recovering Sobriety, Recovering Culture") offers comprehensive and confidential substance abuse prevention services for students and staff. Services include information, referral and individual and group support, counseling about issues which affect students, staff and their families. Support groups are available to support recovery or simply to gain information on a variety of issues including alcohol and other drug abuse, smoking cessation, eating issues, parenting, co-dependency, and related problems. The center suggests a wide variety of choices based on each individual's circumstances. The center does not advocate any particular program of recovery or self-help, other than what works.

The Recovery Center facilitates the formation of student-run support groups on topical issues such as Narcotics Anonymous and Alcoholics Anonymous. While these meetings are listed in the community as open meetings, they are facilitated by Lane students and therefore are subject to time changes from term to term. They are not held during finals week and school breaks.

All services are open to currently enrolled Lane Community College students (and their families) in credit, Adult Basic and Secondary Education, and Workforce Development classes. There is no cost to students or their families. Most services are provided by professionally trained staff. Information and referral services are provided by trained volunteers and students.

All services provided are confidential. Information is not released without student permission, except upon court order. Office hours for fall, winter and spring terms are 9 a.m. to 5 p.m., Monday through Friday. The center is closed summer term.

For more information, email: harrism@lanecc.edu or call the center or visit lanecc.edu/ccc/substance-abuse-prevention.

## **Sustainability**

Lane's commitment to sustainability is best summarized by its sustainability core value of:

- Integrating practices that support and improve the health of systems that sustain life.
- Providing an interdisciplinary learning environment that builds understanding of sustainable ecological, social, and economic systems, concern for environmental justice, and the competence to act on such knowledge.
- Equipping and encouraging all students and staff to participate actively in building a socially diverse, just, and sustainable society, while cultivating connections to local, regional, and global communities.

Lane has many degree programs, classes, and extra curricular activities related to sustainability. Associate of Applied Science degrees are:

- Energy Management Technician
- Building Controls Technician Option
- Renewable Energy Technician Option
- · Sustainability Coordinator
- Water Conservation Technician
- Watershed Science Technician

Extra-curricular activities include several student clubs:

- Global Health-Power to Change, contact: Susie Cousar at 541,463,5271 or cousars@lanecc.edu
- Green Chemistry Club, contact: JohnThompson at 541.463.5199 or thompsonj@lanecc.edu
- Learning Garden Club, contact: Learning Garden Specialist at 541.463.5899 or learninggarden@lanecc.edu
- Oregon Student Public Interest Research Group, contact: 541.463.5166 or ospirg@lanecc.edu

To find current sustainability events and to learn more about sustainability at Lane visit the website at *lanecc.edu/sustainability*.

## **Testing Office**

Building 1, Room 116, 541.463.5324, lanecc.edu/testing, testingoffice @lanecc.edu

For current information aboutTesting Service office hours, fees, to make an appointment and other details, please visit *lanecc.edu/testing*.

Lane Community College offers a wide range of tests to students who want help in understanding themselves and making wise career decisions. The college uses tests as one of several counseling/advising tools, not merely as a record of performance. The Testing Office provides all students an opportunity to discuss their test results with a counselor/advisor who will assist them in exploring the meaning and implications of their test results.

Any current Lane student may use the Testing Office, and in many cases, people who expect to become Lane students may use it. Students who wish to take vocational interest surveys and personality inventories need to see a counselor to determine if a test is desirable and to get a referral. Students do not need a referral, howerver, to take General Education Development (GED) tests, screening

exams conducted for various departments, or the placement tests for new students in reading, writing and math.

Many kinds of tests and assessments are available:

- Placement tests in reading, writing, and math (Main Campus, Cottage Grove Center and Florence Center).
- GED tests (Main Campus).
- Avant Place Language placement test in Spanish and French (Main Campus)
- ATITEAS (Main Campus)
- Vocational interest surveys (Main Campus, Cottage Grove Center and Florence Center).
- Personality inventories (Main Campus, Cottage Grove Center and Florence Center).

#### **Titan Store (Bookstore)**

Main Campus: Center Building, 1st floor, 541.463.5256, titanstore. lanecc.edu.

**Downtown Campus Titan Store and Market:** 975 Charnelton St., Eugene, 541.463.6156, titanstore.lanecc.edu

The Titan Store carries course materials, including text-books, e-books, textbook rentals, general books, art supplies, computer hardware and software. Students may also purchase clothing, gifts and school supplies at the Titan Store. Course materials are available online at *titanstore* .lanecc.edu.

Visit titanstore.lanecc.edu for store hours and additional information.

#### **TRiO Programs**

#### **TRiO Regular**

Building 1, Room 219, 541.463.3131, lanecc.edu/trio/

#### TRiO STEM (Science/Technology/Engineering/Math)

Building 1, Room 218, 541.463.3138, lanecc.edu/trio

TRiO programs at Lane Community College help students succeed. These federally funded programs have the goal of helping students stay in school and successfully graduate from Lane Community College and if desired transfer to a four-year institution. The services provided to eligible students assist in meeting varied challenges of college life and are free of charge. TRiO staff are available to assist students individually with their concerns.

TRiO programs offer advice, support and encouragement to students; individual and small group tutoring with emphasis in math, science, writing, and computers; computer lab; academic advising; personal and career counseling; information and referral to services on and off campus; mentoring; cultural enrichment activities; study groups; special workshops and classes; assistance with transfer planning; and visits to Oregon four-year colleges and universities.

#### **Eligibility**

The following criteria must be met to qualify for TRiO.

- enrollment or acceptance for enrollment at Lane Community College.
- working full-time toward a degree at Lane and have a need for academic support.
- · U.S. citizen or registered permanent resident.
- · one or more of the following applies:
  - neither parent received a four-year degree
  - qualify for financial aid or meet financial need guidelines
  - have a documented disability that interferes with education

## **Tutoring Services**

lanecc.edu/tutor/

Tutoring Services coordinates free drop-in tutoring in many subject areas and centers on main campus. All tutoring is free to currently enrolled Lane students and provides one-on-one assistance in academic endeavors. Tutors will clarify information presented in class or textbooks, help students learn how to think about concepts in courses, discuss ways to work problems, help with effective ways to study and learn, and offer support and encouragement. Tutors will not complete a student's homework, edit papers, help with take-home tests, rescue, or do problems without direct student involvement and critical thinking in the learning process. Students are expected to take responsibility for their own learning, but tutors can empathize with the difficulty of a subject and offer coaching and guidance to make the process more clear. For assistance in specific areas, visit the tutoring centers listed below. For general questions, contact Liz Coleman, Tutoring Services Coordinator by email at colemanl@lanecc.edu.

Tutor Central/Writing Center, Center Building 211 (NE corner)

Tutors assist students in all aspects of writing across the curriculum, math 10/20, and computer skills. Students are motivated to study by our welcoming environment with a grand view of the north hills. Hours are generally Monday-Thursday, 9 am-4 pm and Friday, 9 am-1 pm. Summer hours are 10 am-2 pm. Visit the website for more updated hours. *lanecc.edu/tutor/tutor-central*.

**Business Resource Center,** Building 19, Room 249, 541.463.5799 brc@lanecc.edu (Fatima Farjé)

The Business Resource Center provides assistance in Accounting, AOP, and other business courses. Generally, it is open Monday-Saturday in fall, winter and spring terms. Summer term it is usually open Monday-Thursday. Schedules can change every term, so please visit *lanecc.edu/business-resource-center* for the current schedule.

#### CIT Computer Lab, Building 19, Room 135A

The Computer Information Technology Department has tutoring available for all students enrolled in all CS and CIS classes except CS 120 and CIS 101. Tutoring for CS 120 and CIS 101 is available in Tutor Central. Tutors are advanced majors in the field of computing. *lanecc.edu/cit/computer-lab*.

#### Foreign Languages, Center 450/451

French: Contact Karin Almquist, almquistk@lanecc.edu, 541.463.5140

Spanish: Contact Sylvie Matalon-Florendo, *florendos@lanecc.edu*, 541.463.5143

Math Resource Rooms, MTH 10 - MTH 97, Building 16, Room 163; MTH 105 and up, Building 16, Room 177 (Kristina Holton) 541.463.5399

Peer and professional tutors are available. *lanecc.edu/math/math-resource-center* 

Music Lab, Building 6, Room 125, 541.463.5649 (Alberto Redondo)

Assistance is available for music theory, fundamentals, literature, history, and electronic music. *lanecc.edu/perarts/music/mdta-resource-center* 

**Online Tutoring** Lane Community College has joined the Western eTutoring Consortium. Lane students are able to access free, online tutoring offered by 46 colleges and universities from seven states. Subjects include writing (synchronous and asynchronous), math, chemistry, physics, statistics, economics, calculus, accounting, psychology and more. Find more details at *lanecc.edu/tutor* and click on Online Tutoring Resources.

Science Resource Center, Building 16, Room 193, 541.463.5041 (Star Glass)

Drop-in tutoring, microscopes, models, textbooks, and a computer tutorial for anatomy and physiology are available. lanecc.edu/science/src

Writing Center, Center Building, Room 211, Tutor Central, 541.463.5282 (Casey Reid)

Write with us. We're here to support you and your writing process on any piece of writing related to college or life. Come early and often. *lanecc.edu/wc* 

**Adult Basic and Secondary Education** The ABSE Volunteer Tutor program provides individual and small group tutoring for adult students in Basic Skills, GED, and English as a Second Language. To become a tutor, contact Amy Gaudia at 541.463.6184, *lanecc.edu/volunteertutor/*. If you need a tutor, please ask your instructor to help you submit the Tutor Request form.

#### **Veterans Benefits and Certification**

Building 1, first floor

VA Educational Benefits Building 19, Room 233, 541-463-5663, VAEdBenefits@lanecc.edu, lanecc.edu/va/

Programs at Lane Community College are approved by the Oregon Department of Education State Approving Agency as a qualified training institution for students eligible for Veterans' Administration education benefits. All applications for federal VA educational benefits and enrollment certifications are processed through the VA Regional Office in Muskogee, OK; 1-888-442-4551 or *gibill.va.gov* 

**Eligibility Rules** VA Education Benefits are complex and students may have choices to make to determine under which benefit chapter they wish to utilize. All who qualify for benefits need to submit an application to the VA through *Vets.gov*. Students may qualify for more than one VA Benefit Chapter but can only be certified for one at a time. For more information, contact VA Educational Benefits at *VAEdBenefits@lanecc.edu*.

**Credit Load/Payment** For payment purposes during a standard term, 12 credits is considered full-time. A credit load less than 12 credits is pro-rated at the rate determined by the VA Benefit Chapter the student is receiving. For non-standard terms (summer) or courses that do not follow the standard term length, the actual dates of the course are reported to the VA.

**Program of Study** Students using VA educational benefits must be enrolled in an approved degree or certificate program and only courses applicable toward the degree or certificate and their prerequisites can be certified for VA payment.

**Academic Standards** Students using VA educational benefits are required to follow all Lane's GPA requirements in accordance with the Academic Standards outlined in this catalog. Each student applying for VA educational benefits will receive a copy of the Standards of Academic Progress for using VA Benefits at the time of initial certification. These standards apply to all eligible persons using educational benefits administered by the VA.

**Unsatisfactory Progress** The Veterans' Administration is notified if a student fails to meet the minimum standards of academic progress for three consecutive terms, or receives all "F," "NC," or "NP" grades in any one term, in accordance with Lane's procedures for academic standards. In order to have VA educational benefits reinstated after unsatisfactory progress, a student must satisfactorily complete a subsequent term. The student is reimbursed retroactively by the VA after completion of a successful term.

**Schedule Changes, Drops and Adds** Veteran benefit students must report all schedule changes occurring after the first week of the term to *VAEdBenefits@lanecc.edu*. Schedule changes may impact

a student's VA reimbursement, particularly those occurring after the term's refund period (first week of the term). Students should communicate with the Veterans Services office before making schedule changes, drops, or adds to determine the possible impact on education benefits.

- Within Drop Period If courses are dropped any time during the first 30 days of the term, the student is paid at the previous rate up to the date the course is dropped.
- After Drop Period The VA allows a student to withdraw up to six credits one time only after the drop period of the term and assumes that there are mitigating circumstances; hence, benefits will be paid at the previous rate until the date the course(s) is dropped. Outside of this one-time, six credit exclusion to the "mitigating circumstances" rule, unless mitigating circumstances are submitted and accepted by the VA, any reduction in credit load after the fourth week of the term will result in an overpayment retroactive back to the first day of the term.

#### **Important Veteran Benefit Information**

Course Applicability Only courses satisfying program requirements (or prerequisites) outlined in a student's curriculum guide or graduation evaluation form can be certified for VA purposes. If a student takes a course that does not fulfill a program requirement, it cannot be certified with the VA. Excessive electives, for example, that are not needed to fulfill a student's program requirements, cannot be certified with the VA. Payment of tuition and fees for courses that do not meet VA applicability rules are the student's responsibility. In order for prerequisites to be certified with the VA for major requirements in math, English, and writing, testing results from Testing Services must indicate they are necessary. Students needing remedial courses (below 100 level) must enroll in the in-class version (not online) in order to receive VA benefits for these classes.

**Repeating Courses** Classes that are successfully completed may not be certified again for VA purposes if they are repeated. However, if a student fails a class, or if a program requires a higher grade than the one achieved in a particular class for successful completion, that course may be repeated. Payment of tuition and fees for courses that cannot be certified with the VA are the student's responsibility.

**Program Changes** Students utilizing veterans benefits must keep their program of pursuit current with the Veterans Services office and on their LCC account. VA Form 1995 or applicable needs to be completed and submitted to Veterans Service at the time a program of pursuit is changed.

**Grades** Grades are not reported to the VA but completed credits are reported. Students registering for classes but not receiving credit at the end of the term will have an amended certification processed with the VA which may result in a benefit reimbursement adjustment. Students are encouraged to successfully complete all classes for credit to avoid VA overpayment.

Program Planners All students utilizing VA education benefits must have a current term planner approved by an academic advisor and on file within the Veteran Services Office. To ensure course applicability and compliance with VA regulations, each term before classes are certified, the student's registered classes will be compared to the program planner. Only those classes required for successful program completion will be certified with the VA. Students are encouraged to communicate with academic advising prior to registering for any classes to ensure they are applicable and required for the program they are pursuing. Term planners need to be received in the Veterans Services Office no later than 45 days before the term starts to ensure no disruption of VA education benefits. Any changes to previous term planners will require the student to submit a new term planner.

**Certification Timeline** Approximately six weeks prior to the start of a term, CH 33 post 9/11 benefit students are pre-certified based on who has registered for classes at that time and have submitted

a term planner. Students not registered at the time the pre-certification report is processed will be certified beginning after the first week of the term.

Veterans Services goal is to process all VA certifications within 30 days of the term starting. Students will receive an email from the VA at the time their certification is processed. Students will not be VA certified without an approved term planner, for that term, on file with the Veterans Services Office.

VA Payments Veteran benefit students should monitor their school's financial account on a regular basis. Failure to monitor and address unpaid charges may result in late fees or the inability to register for upcoming terms. VA and financial aid payments operate within different time periods. Students should not assume when the VA will make payments to them personally or when they will be applied to their school account. Unforeseen circumstances may occur which could delay when the VA processes a payment.

**Flight Technology** An addendum to the LCC Course Catalog is the Veteran's Information Bulletin, or VIB, which details current flight training costs (hourly aircraft rental and instructional rates, etc.). This VIB addendum will be provided to the veteran student upon first contact with Veterans Services.

Prior Credits (Transcripts) Students applying for VA benefits at Lane who have attended or received college credits at other schools, using VA benefits or not, must provide official transcripts to Lane within their first term of enrollment. This includes military transcripts (Joint Services Transcript or Community College of the Air Force). Unless all transcripts are submitted to Lane during the student's first term of enrollment, subsequent enrollment periods cannot be certified. Students' past enrollments will be checked with the National Student Clearinghouse. Students must avoid taking any classes at Lane that were successfully completed elsewhere. When official transcripts are reviewed, if it is found a student has received VA benefits at Lane for classes that were successfully completed elsewhere, this will be reported to the VA and may result in an adjustment to their education benefits.

**Basic Choice Act** A student is entitled to pay tuition and fees at Lane Community College at the rates provided for Oregon residents without regard to the length of time the person has resided in this state if the student resides in this state while enrolled in the institution and the student is:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, who lives in Oregon while attending a school located in Oregon (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal State of residence).

 Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.

**The Gender Equity Center** is a welcoming, inclusive and vibrant place for students to gather, socialize, and connect. The Center is a supportive entry point to Lane that provides services to assist women to attain their goals.

Services include:

- peer assistance with admission, registration, and applying for financial aid
- information, resources, referrals to campus and community organizations
- student computers

**Women in Transition** empowers women to become economically self-sufficient and improve their lives through access to education. Women in Transition offers:

- a learning community comprised of a LifeTransitions course paired with a Career & Life Planning course, focusing on increasing self-esteem, developing healthy relationships, decision-making, goal-setting, and career planning
- advanced classes in LifeTransitions 2 and LifeTransitions 3

The Career and Technical Education (CTE) Mentor provides support for students exploring CTE programs of study that lead to "high demand, high wage" occupations that are non-traditional for their gender. The Mentor provides ongoing support for all students. This includes: supplemental training, outreach, opportunity, leadership and career coaching. Emphasis is on recruiting and retaining students into pro- grams of study considered "non-traditional" for them.

## **Degree and Certificate Overview**

A new academic year begins every summer term and ends with the following spring term. Every academic year Lane publishes a new catalog describing the policies, academic programs and requirements in effect during that academic year. The requirements for a program can change and it is the student's responsibility to know and adhere to the policies and requirements in their governing catalog.

**Governing Catalog** A student's governing catalog is the one in effect at the time the student first enrolls in credit classes. All two-year programs in this catalog are valid for five academic years and expire at the end of spring quarter of the fifth academic year; all one-year programs and Career Pathway Certificates are valid for three academic years and expire at the end of spring quarter of the third academic year. If a student has a break in attendance for four terms or more, that student is not eligible to use their original governing catalog.

**Revisions to Catalog** While Lane makes every effort to ensure the accuracy of the information in this catalog, changes may be necessary. Therefore, this catalog is not a contract between Lane and current or prospective students. If the College approves changes that affect this catalog, the revised requirements will be available online in myGradPlan, in academic departments, as well as in program advisors' offices. Students affected by changes should contact the appropriate program advisor, program coordinator, or academic dean.

**Degrees and Certificates** Lane may confer the following degrees and certificates upon satisfactory completion of these prescribed credit programs:Degrees and certificates with an\* are career technical programs. The title of the career technical program will appear on the degree or certificate when awarded.

- Associate of Arts Oregon Transfer
- Associate of Science Oregon Transfer: Business
- Associate of Science Oregon Transfer: Computer Science
- · Associate of General Studies
- · Associate of Science
- · Associate of Science: Oregon State University
- · Associate of Science: University of Oregon
- \*Associate of Applied Science
- \*One-Year Certificate of Completion:
- \*Two-Year Certificate of Completion:
- \*Career Pathway Certificate of Completion:

**Graduation Requirements** Candidates for an associate degree or certificate must meet the following requirements:

- Total Credits Complete the number of credits as required for the individual degree, including foundational skills and discipline studies requirements.
- Minimum Credits at Lane Complete at least 24 credits.
   Career Pathways Certificates can be earned with fewer than 24 credits.
- Grade Point Average Earn a minimum cumulative GPA of 2.00 at Lane
- Pass/No Pass Students may select P/NP option for up to 16 credits toward a degree/certificate, unless specified by AAS or Certificate programs. This does not include courses only offered
- Credit-by-Exam and Credit-by-Assessment Credits used toward a degree/certificate may not exceed 25% of total degree credits
- Apply for graduation during the first week of your final term.

**Exceptions for Program Requirements** Lane does not authorize individual departments to waive degree requirements of Foundational Skills and Discipline Studies requirements. An instructional dean, or designee, may use any course on a student's transcript to substitute for any required major course limited up to 10 percent of the program for CareerTechnical programs only. The Academic Requirements Review Committee will consider petitions to substitute a college General Education requirement.

In accordance with the Rehabilitation Act of 1973, Section 504, colleges must be willing to modify academic requirements to prevent discrimination against eligible students with disabilities. Therefore, qualified students with disabilities may request that appropriate course substitutions be considered as a programmatic accommodation.

## Graduation

Lane awards degrees and certificates to students at the end of summer, fall, winter, and spring terms. Students apply for their degrees or certificates the term they intend to complete. Application forms are submitted online through myLane.

#### Commencement

Commencement is the annual ceremony Lane has for all graduates who complete their degrees during the year. The commencement ceremony is held in June. There is no separate application to participate in commencement. Students who have applied for graduation and who have not completed their studies can still participate in the ceremony.

# Transfer Guidelines for Degrees and Certificates

The following policies apply to transfer course work.

Lane uses course work from U.S. colleges and universities that are regionally accredited by:

- Middle States Association of Colleges and Schools, Middle States Commission on Higher Education
- New England Association of Schools and Colleges Commission on Institutions of Higher Education
- New England Association of Schools and Colleges Commission on Technical and Career Institutions
- The Higher Learning Commission (formerly the North Central Association of Colleges and Schools)
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools Commission on Colleges
- Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
- Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities

#### **Transfer Credit Process**

Students transferring to Lane and seeking a Lane degree or certificate should submit official transcripts to Lane from postsecondary institutions previously attended. An official evaluation will be performed by a Lane degree evaluator when a student applies for graduation. Evaluation of credits may only be started after Lane has received your official transcript(s). Students are notified if the evaluation determines that they have not yet met graduation requirements. The results of an evaluation can be viewed in myGradPlan. All documents submitted to Lane become the property of Lane and are subject to federal law, as well as the Family Education Rights and Privacy Act. Courses may transfer even if Lane does not offer an identical course. Not all transfer course work is eligible to meet defined degree or certificate requirements. Under some circumstances, counselors and academic advisors for the program and/ or major can offer an unofficial or non-Lane degree/certificate transcript evaluation. However, the official evaluation will occur upon request in your graduation term.

#### **U.S. Transfer Credits**

- Grades of 'Pass' are only transferable when the issuing institution defines the grade as C- or better.
- Coursework at 300 levels or above is reviewed on a case-bycase basis
- The college or university must have been regionally accredited or be a candidate for regional accreditation when the coursework was taken. See list above.

#### **International Transfer Credits**

- Coursework listed on non-U.S. transcripts must be evaluated by an agency on the NACES website.
- · A course-by-course evaluation is required.

#### **Non-Traditional Transfer Credits**

- Credit-by Assessment and Credit-by-Exam may be granted for some courses. Students can use these methods to earn credits when institutions are not regionally accredited for a maximum of 25 percent of the degree or certificate. More information is available at lanecc.edu.
- Lane will evaluate any of the following learning experiences for credit depending on test and score: Advanced Placement (AP), College-level Entrance Examination Program (CLEP), and International Baccalaureate (IB). DANTES (DSST) is accepted on a highly limited, case-by-case basis through faculty assessment. Military Service Credit, (AARTS, CCAF, CGI, and SMART) is

- considered for transfer evaluation based on American Council on Education (ACE) recommendation. Lane does not accept non-military ACE recommendations.
- A military Veteran may be granted three credits of PE applicable to all PE/Health degree requirements upon the submission of a DD214 with basic training completion.

#### **Student Learning Assessment**

For the purpose of assuring a high-quality learning environment, Lane conducts assessments to measure student learning. Students may be asked to participate in satisfaction surveys, compile portfolios of academic work, take achievement or licensure exams, or demonstrate skills in other ways. The purpose in all these activities is to monitor the quality of learning at Lane and provide evidence to evaluate and improve programs. Participants can be assured that all assessment results will be treated with strictest professional confidentiality. Results appearing in Lane assessment reports and other public documents are presented anonymously, and no student is individually identified. Students are strongly encouraged to participate to the best of their abilities in these assessment efforts.

#### **Credit Student Outcomes**

From a cohort of 773 full-time, first-time in college, degree-seeking students who enrolled at Lane fall term 2013, by August 2016: 82 students in the cohort had completed a degree (11%), 171 students had transferred to another higher education institution (22%), and 120 students were still enrolled at Lane (16%). 110 students from the cohort (14%) had completed a degree by August 2017.

# Outcomes for AAOT, ASOT-Business, ASOT-Computer Science, Oregon Transfer Module

Students earning the AAOT, ASOT-Business, ASOT-Computer Science, or the OregonTransfer Module will complete coursework with the following General Education Outcomes:

#### **Writing Outcomes**

- Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.
- Locate, evaluate, and ethically utilize information to communicate effectively.
- Demonstrate appropriate reasoning in response to complex issues.

#### **Information Literacy Outcomes**

- Formulate a problem statement.
- Determine the nature and extent of the information needed to address the problem.
- · Access relevant information effectively and efficiently.
- · Evaluate information and its source critically.
- Understand many of the economic, legal and social issues surrounding the use of information.

#### **Mathematics Outcomes**

- Use appropriate mathematics to solve problems.
- Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

#### **Speech/Oral Communication Outcomes**

- Engage in ethical communication processes that accomplish goals.
- · Respond to the needs of diverse audiences and contexts.
- Build and manage relationships.

#### **Arts and Letters Outcomes**

- Interpret and engage in the Arts and Letters, making use of the creative process to enrich the quality of life.
- Critically analyze values and ethics within a range of human experience and expression to engage more fully in local and global issues.

"Arts and Letters" refers to works of art, whether written, crafted, designed, or performed, and documents of historical or cultural significance.

#### **Social Science Outcomes**

- Apply analytical skills to social phenomena in order to understand human behavior.
- Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

#### **Science or Computer Science Outcomes**

- Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models and solutions and generate further questions.
- Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner.
- Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

#### **Cultural Literacy Outcomes**

- Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.
- Explore how culturally-based assumptions influence perceptions, behaviors, and policies.

 Examine the historical bases and evolution of diverse cultural ideas, behaviors, and issues.

#### **Human Relations Outcomes for AAS and Certificates**

Associates of Applied Science degrees and 1-year and 2-year certificates require students to successfully complete a course qualifying for human relations requirements. Courses on the Human Relations Courses list require students to meet at least three of the following eight outcomes:

- Describe and use appropriate communication skills including non-verbal communication and active listening, barriers to communication and how to overcome them, assertive behavior and how it differs from passive and aggressive behavior.
- Describe the characteristics of an effective work team, the typical stages of team development, and how to be a capable team member.
- Understand the issues involved in working with people from different cultural backgrounds and how to work effectively in a diverse workplace.
- 4. Describe and demonstrate the rules of "principled negotiation" and conflict resolution.
- Describe and demonstrate customer satisfaction skills for "internal" and "external" customers.
- 6. Identify character traits associated with being an ethical person and use a systematic method for making ethical decisions and behaving ethically in the workplace, in what sexual harassment is, how to prevent it, and how to deal with it if it occurs.
- Describe and give examples of how to effectively manage workplace stress and anger.
- 8. Identify their individual work style and personality (i.e., where they like to focus their attention, the way they like to take in information and the way they like to make decisions), and the strengths and weaknesses of that style.

## **Associate of Arts Oregon Transfer Degree**

The Associate of Arts Oregon Transfer (AAOT) degree is designed for students who want to complete the first two years of a college education, with flexibility to transfer to public universities in Oregon. The AAOT is a block-transfer degree, which means a student with an AAOT will have met the lower division general education requirements for baccalaureate degree programs.

A student selecting this transfer option still must meet the receiving university's admission requirements, including course standing, grade point average and foreign language. The AAOT does not guarantee admission to a public university, or admission to a competitive major, or junior standing in a major. Some transfer institutions also require additional upper-division general education courses.

NOTE: Each student is strongly encouraged to work with an academic advisor or counselor to match career and major goals, with an appropriate program, and to select appropriate courses for a major at an intended transfer institution.

#### Guidelines

- Complete a total of 90 credits of college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- 3. Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/Wellness/Fitness courses, which may be any number of credits.
- 4. All Elective courses may be any number of credits.
- 5. All courses must be passed with a grade of "C-," "P" or better.
- 6. Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.
- Cumulative GPA must be at least 2.0 at the time when the Associate of Arts OregonTransfer is awarded.

#### I. Foundational Skills

#### Writing

Students taking writing classes of three credits each must take WR 121/WR 121\_H, and WR 122/WR 122\_H, and either WR 123 or WR 227. Students taking writing classes of four credits each must take WR 121/WR 121\_H, and WR 122/WR 122\_H, or WR 227. A student must have eight credits of Writing. Meets the Information Literacy requirement.

#### **Oral Communication**

One course from the Oral Communication list.

#### **Mathematics**

One course in college-level mathematics including MTH 105, MTH 106, MTH 111, MTH 112 or any higher mathematics course.

#### Health/Wellness/Fitness

One or more courses totaling at least three credits from the Health/Wellness/Fitness list.

#### **II. Discipline Studies**

In addition to courses used for Foundational Skills, students must select additional courses in the areas identified below.

#### **Cultural Literacy**

One course from any discipline studies courses designated as meeting the statewide criteria for cultural literacy. Courses approved for the Cultural Literacy requirement are marked with an (\*) in the lists of courses on the following pages. The credits for such courses only will be counted once toward the 90 credits required to complete the degree.

#### Arts/Letters

Three courses from two or more disciplines from the Arts and Letters list.

#### Social Science

Four courses chosen from two or more disciplines from the Social Science list.

#### Science/Math/Computer Science

Four courses from two or more disciplines including at least three laboratory courses in biological and/or physical science from the Science/Math/Computer Science lists.

**Note**: Only one of the BI 101s, and one of the BI 102s and one of the BI 103s will meet the Science/Math/Computer Science requirements for any Lane degree. (See the course description for more information).

#### III. Electives

Any college-level courses that bring total credits to 90 credits including:

- Up to 18 credits of Cooperative Education may be included as electives. See Cooperative Education/Internships in the Course Descriptions.
- Up to 12 credits of Individual Music Lessons (MUP) may be included as electives.
- 12 credits of Physical Education activity may be included within the entire degree (Electives and Health/Wellness Fitness).
- WR 115 may be included in the AAOT degree if completed summer 1999 or later.
- Up to 12 credits of Career Technical Education. See the list of Career Technical course prefixes in the Associate of Applied Science Degree section. Career Technical courses fulfilling Health/Wellness/Fitness requirements will not be counted in the 12-credit limit on Career Technical courses. Policies on accepting career technical credits vary at four-year institutions in Oregon. Consult an academic advisor about taking career technical courses as electives.

#### Notes

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100; RD 115; WR 110, 120, and WR 115 (taken before summer 1999, which are considered developmental.
- 2. Foundational Skills are open to demonstration of proficiency. Waiver testing is not the same as placement testing. Students should contact the appropriate academic department for information.
- Second year foreign language courses, but not first year, may be included among courses that count toward the Arts and Letters requirement.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- 5. Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements.
- 7. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 8. Courses numbered 199, 280, 298, or 299 count as electives and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental and may later be reviewed and approved for Discipline Studies. Consult an academic advisor or counselor.

## **Associate of Science Oregon Transfer: Business**

The Associate of Science Oregon Transfer in Business (ASOT- Business) degree has business-focused lower division general education requirements accepted by public universities in Oregon, and electives tailored for requirements at each intended transfer institution. Students transferring with this degree will have junior standing for registration purposes.

The ASOT-Business degree does not guarantee admission to Oregon universities, admission to a competitive business major, or junior standing in a major. Course, class standing, or GPA requirements for specific majors, departments, or schools are not necessarily satisfied by an ASOT-Business degree.

Each student is strongly encouraged to work with an academic advisor or counselor to select degree requirement courses that align with requirements at an intended transfer institution. Requirements at institutions vary, and elective choices differ depending on the intended transfer institution. Each student must contact the specific business school/program early in the first year of an ASOT-Business degree to be advised about additional requirements and procedures for admission consideration to the transfer institution and the Business school/program.

#### Guidelines

- 1. Complete a total of 90 credits college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.

- 3. Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/Wellness/Fitness courses, which may be any number of credits.
- 4. All Elective courses may be any number of credits.
- 5. All courses must be passed with a grade of "C-," "P" or better.
- Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.
- Cumulative Lane GPA must be at least 2.0 when the Associate of Science Oregon Transfer: Business degree is awarded.

**Note:** Many Business programs have competitive admission. Minimum GPA and grades will not generally be high enough to gain admission to competitive programs.

#### I. Foundational Skills

#### Writing

Students taking writing classes of three credits each must take WR 121/WR121\_H, and WR 122/WR 122\_H, and either WR 123 or WR 227. Students taking writing classes of four credits each must take WR 121/WR121\_H, and WR 122/WR 122\_H or WR 227. A student must have eight credits of Writing. Meets the Information Literacy requirement.

#### **Oral Communications**

One course from the Oral Communications list.

#### **Mathematics**

Three courses MTH 105 and above, one of which must be MTH 243.

#### **Computer Applications**

One computer applications course: CIS 101, CS 120.

### **II. Discipline Studies**

In addition to courses used for Foundational Skills, students must select additional courses in the areas identified below.

# **Cultural Literacy**

One course from any discipline studies courses designated as meeting the statewide criteria for cultural literacy. Courses approved for the Cultural Literacy requirement are marked with an (\*) in the discipline studies lists of courses on the following pages. The credits for such courses only will be counted once toward the 90 credits required to complete the degree.

#### Arts/Letters

Three courses from two or more disciplines from the Arts and Letters list.

#### **Social Sciences**

Four courses from two or more disciplines from the Social Science list, with a minimum of two courses in "principles of economics" (to include microeconomics and macroeconomics) at the 200 level.

#### Science/Math/Computer Science

Four courses from two or more disciplines including at least three laboratory courses in biological and/or physical science from the Science/Math/Computer Science lists.

**Note:** Only one of the BI 101s, and one of the BI 102s and one of the BI 103s will meet the Science/Math/Computer Science requirements for any Lane Degree. (See the course description for more information.)

#### III. Business-Specific Requirements

BA 101 Introduction to Business, 4 credits

BA 211 Fundamentals of Financial Accounting and

BA 213 Decision Making with Accounting Information, 8 credits

BA 226 Business Law 1 (or other advisor-approved Business course from the list below), 4 credits

Check with a business advisor if you intend to substitute one of the courses below for BA 226 Business Law. Some public universities in Oregon require BA 226.

**BA 206 Management Fundamentals** 

**BA 223 Marketing** 

BA 224 Human Resource Management

BA 227 Law of Business Transactions

BA 242 Fundamentals of Investments

BA 249 Retailing

BA 278 Leadership and Team Building

BA 280 Cooperative Education

**BA 281 Personal Finance** 

# **IV. Electives**

Any college-level courses that will bring total credits to 90 credits including:

- Up to 18 credits of Cooperative Education may be included as electives. See Cooperative Education/Internships in the course descriptions.
- Up to 12 credits of Individual Music Lessons (MUP) may be included as electives.
- Up to 12 credits of Physical Education activity may be included within the entire degree (Electives and Health/Wellness Fitness).
- WR 115 may be included in the degree as an elective if completed summer 1999 or later.

 Up to 12 credits of Career Technical Education. See the list of Career Technical course prefixes in the Associate of Applied Science Degree section. Career Technical courses fulfilling Health/Wellness/Fitness requirements will not be counted in the 12-credit limit on Career Technical courses. Policies on accepting Career Technical credits vary at the four-year institutions in Oregon. Consult an academic advisor about taking Career Technical courses as Electives.

# V. University-Specific Prerequisites

Consult Lanes' Counseling and Advising department for a list of university-specific prerequisites and recommended coursework. Please note: Prerequisites and recommendations of specific institutions may change without notice.

#### Notes

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115 (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.
- Second year foreign language courses, but not first year, may be included among courses that count toward the Arts and Letters requirement. American Sign Language (ASL) is considered a foreign language.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- 5. Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements.
- 7. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 8. Courses numbered 199, 280, 298, or 299 count as electives, and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental, and may later be reviewed and approved for Discipline Studies. Consult an academic advisor or counselor.

# Associate of Science Oregon Transfer: Computer Science

The Associate of Science Oregon Transfer in Computer Science (ASOT-CS) degree has computer science-focused lower division general education requirements accepted by public universities in Oregon, and electives tailored for requirements at each intended transfer institution. Students transferring with this degree will have junior standing for registration purposes only.

The ASOT-CS degree does not guarantee admission to Oregon universities, admission to a competitive computer science major, or junior standing in a major. Course, class standing, or GPA requirements for specific majors, departments, or schools are not necessarily satisfied by an ASOT-CS degree.

Each student is strongly encouraged to work with an academic advisor or counselor to select degree requirement courses that align with requirements at an intended transfer institution. Requirements at institutions vary, and elective choices differ depending on the intended transfer institution. Each student must contact the specific computer science school/program early in the first year of an ASOT-CS degree to be advised about additional requirements and procedures for admission consideration to the transfer institution and the school/program.

#### **Guidelines**

- Complete a total of 90 credits of college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/Wellness/Fitness courses, which may be any number of credits.
- 4. All Elective courses may be any number of credits.
- 5. All courses must be passed with a grade of "C-", "P" or better except for the following courses, which must be taken for a letter grade and passed with a grade of "C" or better. P/NP will not be accepted.
  - CS 160: Introduction to Computer Science
  - CS 161: Computer Science 1
  - CS 162: Computer Science 2
  - · CS 260: Data Structures
- Maximum 16 credits of "P" may be used toward this degree. This limit does not include courses only offered P/NP.
- 7. Cumulative Lane GPA must be at least 2.0 when the Associate of Science Oregon Transfer: Computer Science degree is awarded. NOTE: Many CS programs have competitive admission. Minimum GPA and grades will not generally be high enough to gain admission to competitive programs.

#### I. Foundational Skills

#### Writing

Students taking writing classes of three credits each must take WR 121/WR 121\_H, and WR 122/WR 122\_H, and either WR 123 or WR 227. Students taking writing classes of four credits each must take WR 121/WR 121\_H, and WR 122/WR 122\_H or WR 227. A student must have eight credits of Writing. Meets the Information Literacy requirement.

**Note:** WR 227 will meet additional requirements at some CS baccalaureate programs.

#### **Oral Communication**

One course from the Oral Communications list.

# **Mathematics**

Two courses: MTH 251 Differential Calculus and MTH 252 Integral Calculus.

# Health/Wellness/Fitness

One or more courses totaling at least three credits from the Health/ Wellness/Fitness list.

#### **II. Discipline Studies**

#### **Cultural Literacy**

Courses approved for the Cultural Literacy requirement are marked with (\*) in the discipline studies lists of courses on the following pages. The credits for such courses only will be counted once toward the 90 credits required to complete the degree.

#### **Arts and Letters**

Three courses from two or more disciplines from the Arts and Letters list.

#### **Social Sciences**

Four courses from two or more disciplines from the Social Science list.

#### Science/Math/Computer Science

Four courses from two or more disciplines including at least three laboratory courses in biological and/or physical science from the Science/Math/Computer Science lists.

**Note 1**: Only one of the BI 101s, and one of the BI 102s, and one of the BI 103s will meet the Science/Math/Computer Science requirements for any Lane Degree. (See the course description for more information.

**Note 2**: See academic advising team for your intended major at transfer institution. Some programs require physics.

#### **Computer Science Specific Requirements**

A minimum of sixteen credits in Computer Science consisting of the following courses:

All of the following courses must be taken for a letter grade and passed with a grade of "C" or better. P/NP will not be accepted.

- CS 160: Introduction to Computer Science
- CS 161: Computer Science 1
- CS 162: Computer Science 2
- CS 260: Data Structures

**Note:** Transfer institutions may have competitive admissions requirements requiring a higher grade in the above courses.

#### **Electives**

Any college-level courses that bring total credits to 90 credits including:

- Up to 18 credits of Cooperative Education may be included as electives. See Cooperative Education/Internships in the course descriptions.
- Up to 12 credits of Individual Music Lessons (MUP) may be included as electives.
- Up to 12 credits of Physical Education activity may be included within the entire degree (Electives and Health/Wellness/ Fitness).
- WR 115 may be included in the degree as an elective if completed summer 1999 or later.
- Up to 12 credits of CareerTechnical Education. See the list of CareerTechnical course prefixes in the Associate of Applied Science Degree section. CareerTechnical courses fulfilling Health/Wellness/Fitness requirements will not be counted in the 12-credit limit on CareerTechnical courses. Policies on accepting CareerTechnical credits vary at the four-year institutions in Oregon. Consult an academic advisor about taking CareerTechnical courses as Electives.

# V. University-Specific Prerequisites

Consult Lane's Counseling and Advising department for list of university-specific prerequisites and recommended coursework. Please note: Prerequisites and recommendations of specific institutions may change without notice. Please carefully plan this in consultation with university specific CS program requirements. A current guide for university specific, lower division CS requirements is maintained at occc-wiki.org or consult with an advisor from the target university program.

#### **Notes**

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115 (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.
- Second year foreign language courses, but not first year, may be included among courses that count toward the Arts and Letters requirement. American Sign Language (ASL) is considered a foreign language.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - c) satisfactory performance on an approved second language assessment of proficiency.

- d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements.
- 7. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 8. Courses numbered 199, 280, 298, or 299 count as electives, and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental and may later be reviewed and approved for Discipline Studies. Consult an academic advisor or counselor.
- 9. Students and academic advisors should recognize that although the ASOT-CS provides and excellent structure for many students intending on pursuing a computer science four year degree, it is not ideal for everyone. Students should consult closely with a computer science advisor at both their community college and the four year transfer institution.

# Approved Courses for Oregon Transfer Degrees and Oregon Transfer Module

Only the following courses meet the AAOT, ASOT-Business, and ASOT-Computer Science Discipline Studies degree requirements.

The following courses also meet Oregon Transfer Module Discipline Studies degree requirements.

**Note:** Courses marked with (\*) are approved for the Cultural Literacy requirement.

# **Arts and Letters**

ARH 200	Graphic Design History
ARH 203*	Am. Indian Art/Arch.History
ARH 204	History of Western Art 1
ARH 205	History of Western Art 2
ARH 206	History of Western Art 3
ARH 207*	History of Indian Art
ARH 208*	History of Chinese Art
ARH 209*	History of Japanese Art
ARH 211	Early Modern Art: 1850-1910
ARH 212	Twentieth-Century Art
ARH 214	Arts of the United States
ARH 217*	Islamic Art
ARH 218	History of Photography
ARH 219	History of Photography
ARH 220	History of Photo: 1950-Present
ART 111	Introduction to Visual Arts
ART 115	Basic Design: Fundamentals
ART 115_H	Basic Design: Fundamentals
ART 115GD	Basic Design: Fundamentals GD
ART 116	Basic Design: Color
ART 117	Basic Design: 3-Dimensional
ART 118	Artist Books and Pop-up
ART 120	Interm.Artist Books and Pop-up
ART 131	Introduction to Drawing
ART 220	Documentary Photography
ART 231	Drawing: Intermediate
ART 234	Drawing: Figure
ART 237	Illustration 1
ART 240	Natural Science Drawing
ART 248	Stone Sculpture
ART 250	Ceramics: Hand Building
ART 251	Ceramics: Wheel Throwing
ART 253	Ceramics: Intermediate
ART 261	Photography 1
ART 262	Photography 2

ART 270	Printmaking: Traditional and Digital Etching
ART 271	Printmaking: Woodcut and Linocut
ART 272	Printmaking: Experimental Processes
ART 273	Printmaking: Intermediate Traditional and Digital
	Etching
ART 274	Printmaking: Intermediate Woodcut and Linocut
ART 275	Screen Printing
ART 276	Sculpture: Introduction
ART 277	Sculpture: Welding
ART 278	Sculpture: Wood
ART 281	Painting: Introduction
ART 282	Landscape & Arch Photog
ART 284	Painting: Intermediate
ART 285	Advanced Screen Printing
ART 291	Sculpture: Metal Casting
ART 293	Sculpture: Figure
ART 294	Watercolor: Introduction
ART 295	Watercolor: Intermediate
CINE 265	Film History 1: Silent Era to Early Sound
CINE 266	Film History 2: Sound Era through the 1960s
CINE 267	Film History 3: 1960s to Present
COMM 100	Basic Communications
COMM 105	Listening & Critical Thinking
COMM 111	Fund of Public Speaking
COMM 111_H	Fund of Public Speaking
COMM 112	Persuasive Speech
COMM 115*	Intro to Intercultural Comm
COMM 130	Business & Profes Comm
COMM 218	Interpersonal Communication
COMM 219	Small Group Communication
COMM 220*	Comm, Gender & Culture
COMM 262	Voice and Articulation
CW 201*	Chinuk Wawa
CW 202*	Chinuk Wawa
CW 203*	Chinuk Wawa
D 160	Dance Composition
D 251	Looking at Dance
D 256	Anatomy of the Moving Body
D 257	Dance Improvisation
D 260	Group Choreography
ENG 100	Children's Literature
ENG 104	Intro to Literature: Fiction
ENG 105	Intro to Literature: Drama
ENG 105_H	Intro to Literature: Drama

ENG 106	Intro to Literature: Poetry	TA 243	Acting for the Camera
ENG 107*	Survey of World Literature	TA 272*	Introduction to Theatre
ENG 108*	Survey of World Literature	WR 240	Creative Nonfiction
	•		
ENG 109*	Survey of World Literature	WR 241	Intro to Imag. Writing:Fiction
ENG 151*	Black American Literature	WR 242	Intro to Imagin Writing:Poetry
ENG 194	Literature of Comedy		
ENG 201	Shakespeare	Social Science	
ENG 203	Shakespeare	ANTH 101	Physical Anthropology
	•	ANTH 102*	World Archaeology
ENG 204	Survey of British Literature		World Archaeology
ENG 205	Survey of British Literature	ANTH 102_H*	07
ENG 215*	Latino/a Literature	ANTH 103*	Cultural Anthropology
ENG 217	Read Writing & Digital Culture	ANTH 227*	Prehistory of Mexico
ENG 218*	Lit. Islamic World	ANTH 228*	Cultures of Mexico
		ANTH 229*	Chicano Culture
ENG 222*	Literature and Gender		
ENG 232*	Native American Lit, Myth,Folk	ANTH 231*	American Indian Studies
ENG 240	Nature Literature	ANTH 232*	American Indian Studies
ENG 243*	Native American Autobiography	ANTH 233*	American Indian Studies
ENG 244*	Asian American Literature	CJA 214	Intro to Forensic Science
		ECON 200	Princ of Economics: Intro
ENG 250*	Intro to Folklore & Mythology		
ENG 253	Survey of American Literature	ECON 201	Princ of Economics: Microecono
ENG 254	Survey of American Literature	ECON 202	Princ of Economics: Macroecon
ENG 257*	Amer Working Class in Fiction	ECON 204	Intro to International Econ
ENG 259*	AfricanAmer.Poetry,Plays&Film	ECON 250*	Class, Race & Gender in US Eco
	• •	ECON 260	Intro to Environ & Nat Res Eco
ENG 260*	Introduction to Women Writers		
ENG 261	Science Fiction	ED 100	Introduction to Teaching
ENG 270	Bob Dylan: American Poet	ED 233	Adolescent Lrng & Devt
ES 244*	Native American Story Telling	ES 101*	Historical Racial & Ethnic Iss
FA 255	Understand Movies:American Cin	ES 102*	Contempory Racial & Ethnic Iss
		ES 212	Chicano/Latino Studies: Political and Ideological
FA 264*	Women Make Movies	L3 212	
FA 265*	African American Film Images		Perspectives
FA 270	Film Genres	ES 213	Chicano/Latino Studies: Contemporary Identity and
FA276*	Gender, Race, Class in U.S. Cinema		Cultural Issues
FR 201	Second Year French	ES 221*	African American Studies: Down From the
			Pyramids, Up From Slavery
FR 202	Second Year French	ES 223*	African American Studies: A Luta Continua: The
FR 203	Second Year French	E3 223"	
FR 288*	Study Abroad: French/Culture		Struggle Continues
HUM 100	HumanitiesThrough the Arts	ES 241*	Native American Studies
J 134		ES 244*	Native American Story Telling
	Photojournalism	ES 250*	Class, Race & Gender US Econom
J 216	Newswriting1	GEOG 141	Natural Environment
MUS 101	Music Fundamentals		
MUS 111	Music Theory 1(First Term)	GEOG 142*	Intro to Human Geography
MUS 112	MusicTheory 1	GEOG 151	Digital Earth
MUS 113	Music Theory 1	GIS 151	Digital Earth
		GIS 245	GIS 1
MUS 118	Music Technology MIDI/Audio 1	GIS 246	GIS 2
MUS 119	Music Technology MIDI/Audio 2		
MUS 201	Intro Music & Its Literature	HE 212	Women's Health
MUS 202	Intro Music & Its Literature	HE 255*	Global Health & Sustainability
MUS 203	Intro Music & Its Literature	HST 101	History Western Civilization
		HST 102	History Western Civilization
MUS 205*	Intro to Jazz History	HST 103	History Western Civilization
MUS 211	MusicTheory 2(FirstTerm)		•
MUS 212	Music Theory 2(Second Term)	HST 104*	World History
MUS 213	MusicTheory 2(ThirdTerm)	HST 105*	World History
MUS 260*	History of HIP-Hop and Rap Mus	HST 106*	World History
MUS 261	Music History	HST 195*	History of Vietnam War
	•	HST 201*	History of United States
MUS 262	Music History	HST 202*	History of United States
MUS 263	Music History		•
MUS 264*	History of Rock Music 1	HST 203*	History of the United States
MUS 265*	History of Rock Music 2	HST 208	US History Since 1945
	History of Rock Music 3	HST 209	American History: Civil War
MUS 266*	,	HST 266*	US Women's History
MUS 268	History of Electronic Music	HUM 100	Humanities Through the Arts
PHL 201	Ethics	I .	
PHL 202	Theories of Knowledge	PHL 201	Ethics
PHL 203	Theories of Reality	PHL 202	Theories of Knowledge
	Critical Thinking	PHL 203	Theories of Reality
PHL 221		PHL 221	Critical Thinking
SPAN 201	Spanish Second Year	PS 101	Modern World Governments
SPAN 202	Spanish Second Year		
SPAN 203	Spanish Second Year	PS 201	U.S. Government & Politics
TA 140	Acting Shakespeare	PS 202	U.S. Government & Politics
		PS 203	State & Local Govern.&Politics
TA 141	Acting 1 (Beginning)	PS 205*	International Relations
TA 142	Acting 2 (Beginning)	I .	
TA 143	Acting 3 (Beginning)	PS 208	Intro to Political Theory
TA 144	Improvisational Theater 1	PS 211	Peace&Conflict: Global
TA 241	Intermediate Acting 1	PS 212	Peace&Conflict : National
		PS 213	Peace&Conflict: Local
TA 242	Intermediate Acting 2	PS 225	Political Ideology

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PS 275 Liberties	Legal Processes Through Civil Rights and	G 101	Earth's Dynamic Interior
PS 297	Environmental Politics	G 102	Earth's Dynamic Surface
PSY 201	General Psychology	G 103	Evolving Earth
PSY 202	General Psychology	G 146	Rocks and Minerals
PSY 203	General Psychology	G 147	National Parks Geology
PSY 215	Lifespan Developmental Psychol	G 148	Geologic Hazards
PSY 239	Intro to Abnormal Psy	G 201	Earth Materials & Plate Tec
SLD 103*	Post-Racial America: Challenges and		
	Opportunities	G 202	Earth's Surface Systems
SLD 111*	Chicano/Latino Leadership	G 203	Evolution of the Earth
SLD 112*	Chicano/Latino Leadership 2	GEOG 151	Digital Earth
SLD 113*	Chicano/Latino Leadership 3	GIS 151	Digital Earth
SLD 121* SOC 108A*	African American Leadership Selected Topics: Women's Bodie	GIS 245	GIS 1
SOC 204	Intro to Sociology	GIS 246	GIS 2
SOC 205	Soc Strat & Soc Sys		
SOC 206	Inst & Soc Change	GS 101	General Science (Nature of
SOC 207*	Women and Work	GS 104	Physical Science
SOC 208*	Sport & Society	GS 105	Physical Science
SOC 210	Marriage, Fam & Intimate Rel	GS 106	Physical Science
SOC 211	Social Deviance	GS 142	Earth Science: Earth Revea
SOC 213*	Race and Ethnicity	GS 147	Oceanography
SOC 218*	Sociology of Gender	PH 101	
SOC 225	Social Problems		Fundamentals of Physics
SOC 228 WS 101*	Intro Environmental Sociology Introduction to Women Studies	PH 102	Fundamentals of Physics
VV3 101"	introduction to women Studies	PH 103	Fundamentals of Physics
Science, Math. Co	omputer Science Courses with	PH 201	General Physics
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# Laboratories

Note: Only one BI 101, one BI 102, and one BI 103 will meet the Science/Math/Computer Science requirements for any Lane degree, regardless of letter option. Additional BI 101, 102, or 103 course credits will count as electives. BI 103G General Biology: Global Ecology also will satisfy the Cultural Literacy requirement. GS 142 and GS 147 may be taken with a lab for 4 credits or without a lab for 3 credits.

ASTR 121	Astronomy of the Solar System
ASTR 122	Stellar Astronomy
ASTR 123	Cosmology and the Universe
BI 101	General Biology
BI 101_H	General Biology:
BI 102	General Biology
BI 102_H	General Biology
BI 103	General Biology
BI 103_H	General Biology
BI 112	Cell Bio for Health Occupation
BI 211	Principles of Biology
BI 212	Principles of Biology
BI 231	Human Anatomy & Physiology I
BI 232	Human Anatomy & Physiology 2
BI 233	Human Anatomy & Physiology 3
BI 234	Introductory Microbiology
BOT 213	Principles of Botany
CH 104	Introduction to General Chem
CH 106	Introduction to Organic and Biological Chemistry
CH 114	Intro to Forensic Chemistry
CH 221	General Chemistry 1
CH 222	General Chemistry 2
CH 223	General Chemistry 3
CH 241	Organic Chemistry
CH 242	Organic Chemistry
CH 243	Organic Chemistry
CJA 214	Intro to Forensic Science
ENSC 181	Terrestrial Environment
ENSC 182	Atmos Envir & Climate Change
ENSC 183	Aquatic Environment

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G 103	Evolving Earth
G 146	Rocks and Minerals
G 147	National Parks Geology
G 148	Geologic Hazards
G 201	Earth Materials & PlateTecton
G 202	Earth's Surface Systems
G 203	Evolution of the Earth
GEOG 151	Digital Earth
GIS 151	Digital Earth
GIS 245	GIS 1
GIS 246	GIS 2
GS 101	General Science (Nature of NW)
GS 104	Physical Science
GS 105	Physical Science
GS 106	Physical Science
GS 142	Earth Science: Earth Revealed
GS 147	Oceanography
PH 101	Fundamentals of Physics
PH 102	Fundamentals of Physics
PH 103	Fundamentals of Physics
PH 201	General Physics
PH 202	General Physics
PH 203	General Physics
PH 211	General Physics with Calculus
PH 212	General Physics with Calculus
PH 213	General Physics with Calculus
SOIL 205	Introduction to Soil Science
WST 230	Watersheds and Hydrology
Z 213	Principles of Zoology
Non-Laboratory ANTH 101 ANTH 102* CH 112	Science, Math, Computer Sci Physical Anthropology World Archaeology Chemistry for Health Occup.

# ience Courses

CH 112	Chemistry for Health Occup.
CS 133P	Beginning Programming: Python
CS 160	Orientation to Comput. Science
CS 161C+	Computer Science 1
CS 162C+	Computer Science 2
CS 161P	Computer Science 1
CS 162P	Computer Science 2
CS 233N	Intermediate Programming C#
CS 233P	Intermediate Prog.: Python
CS 240U	Adv. Unix/Linux:Server Mgmt.
CS 260	Data Structures 1
GEOG 141	Natural Environment
GS 142	Earth Science: Earth Revealed
GS 147	Oceanography
GS 201	Scientific Skepticism
MTH 105	Math in Society
MTH 106	Math in Society 2
MTH 107	Math in Society 3
MTH 111	College Algebra
MTH 112	Trigonometry
MTH 211	Fundamentals Elementary Math 1
MTH 212	Fundamentals Elementary Math 2
MTH 213	Fundamentals Elementary Math 3
MTH 231	Discrete Mathematics 1
MTH 232	Discrete Mathmatics 2
MTH 241	Elementary Calculus 1
MTH 242	Elementary Calculus 2
MTH 243	Intro Probability & Statistics
MTH 251	Calculus 1 (Differential Calculus)
MTH 252	Calculus 2 (Integral Calc)
N 4TLL 050	0 1 1 0 11 11 11 0 0 1

Calculus 3 (Infinite Ser Seq)

Vector Calculus 1 (Intro V M)

MTH 253

MTH 254

MTH 255	Vector Calculus 2 (Intro V A)	HE 222	Consumer Health
MTH 256	Applied Differential Equations	HE 240	Holistic Health
MTH 260	Linear Algebra	HE 250	Personal Health
MTH 265	Statistics for Scientists and Engineers	HE 252	First Aid
PSY 212	Learning and Memory	HE 255*	Global Health & Sustainability
		HE 262	First Aid 2
Oral Communicat	ion	HE 275	Lifetime Health & Fitness
COMM 100	Basic Communication	PE 102	Combination Aerobics
COMM 111	Fundamentals of Public Speaking	PE 103	Cardio Kickboxing
COMM 112	Persuasive Speech	PE 104	Body Sculpt
COMM 130	Business and Professional Speech	PE 106	Yogilates
COMM 218	Interpersonal Communication	PE 107	Zumba Fitness
COMM 219	Group Discussion	PE 108	Conditioning
		PE 109	Exercise & Weight Control
Health/Wellness/Fi		PE 110	Walk Jog
	cal courses fulfilling Health/Wellness/Fitness	PE 111	Group Cycling
requirements will no	t be counted in the 12-credit limit on CT courses.	PE 113	Fitness Ed: Introduction
D 152	Dance Basics	PE 114	Fitness Ed: Continue/Returning
D 153	Pilates Workout	PE 115	Jogging
D 160	Dance Composition	PE 116	Stability Ball Fitness
D 161	Strength, Stretch & Tone: Gyro	PE 117	Strength Training
D 172	Dancing the Fluid Body	PE 119	Strength Training for women
D 175	Tap Dance Beginning	PE 133	Meditation
D 176	Fluid Yoga	PE 134	Tai Chi Chuan
D 177	Modern Dance 1	PE 136	Yoga
D 178	Modern Dance 2	PE 137	Gentle Yoga
D 179	Modern Dance 3	PE 183W	Progressive Inter. Exercise
D 183	Meditation in Motion	PE 185Z	Yoga Intermediate
D 184	Hip Hop 1	PE 234	Tai Chi Chuan Intermediate
D 185	Ballet 1	PE 237	Yoga Intermediate
D 186	Ballet 2	PEAT 100	Cross Country Women's Condi. 1
D 187	Ballet 3	PEAT 115	Soccer - Women's Cond. 1
D 188	Jazz Dance 1	PEAT 125	Basketball - Mens Cond 1
D 189	Jazz Dance 2	PEAT 130	Basketball - Women's Cond 1
D 194	Hip Hop 2	PEAT 135	Track&Field -Women's Cond. 1
D 196	Balinese Dance	PEAT 145	Baseball - Men's Cond.1
D 251	Looking at Dance	PEAT 200	Cross Country Women's Conditioning 2
D 256	Anatomy of the Moving Body	PEAT 215	Soccer - Women's Condition 2
D 257	Dance Improvisation	PEAT 225	Basketball - Mens Cond 2
D 260	Group Choreography	PEAT 230	Basketball Women's Condition 1
FN 225	Nutrition	PEAT 235	Track&Field - Women's Cond. 2
HE 152	Drugs, Society & Behavior	PEAT 245	Baseball - Men' s Cond. 2
HE 209	Human Sexuality	=	
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# **Associate of Science Degree**

For students intending to transfer, the Associate of Science (AS) degree may best match general education requirements of some four-year colleges or universities. Requirements of the AS include a rigorous general education program balanced with electives.

A student selecting this transfer option still must meet the receiving university's admission requirements, including course standing, grade point average and foreign language. The AS is NOT a block transfer degree. It does not guarantee that a student will have met the lower division general education requirements for baccalaureate degree programs.

Each student is strongly encouraged to work with an academic advisor to match career goals with an appropriate major and to select appropriate courses at an intended transfer institution.

#### **Guidelines**

- Complete a total of 90 credits of college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/PE courses, which may be any number of credits.
- 4. All Elective courses may be any number of credits.

- Pass all Foundational Skills courses with a grade of "C-" or "P" or better. Pass all Discipline Studies and Elective courses with a grade of "D-" or "P" or better.
- 6. Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.
- Cumulative GPA must be at least 2.0 when the Associate of Science degree is awarded.

# I. Foundational Skills

# Writing

Two courses (minimum 3 credits each): WR 115 (summer 1999 or after), WR 121/WR 121\_H, WR 122/WR 122\_H, WR 123, WR 227

#### **Mathematics**

One course (minimum 4 credits): MTH 105 or higher

#### Health/Wellness/Fitness

# **Physical Education**

Three credits: one course required from the AAOT list of activity classes under Health/Wellness/Fitness, plus two additional credits from PE 181-298. One credit from PE 186W accepted to meet this requirement.

OF

#### **Health Education**

One course from this list: EXMS 214, FN 225, HE 152, 209, 222, 240, 250, 255, 262, 275 or 290; or HE 125, 252 (summer 1997 or later), HI 101

#### **II. Discipline Studies**

In addition to courses used for Foundational Skills, students must select additional courses in the areas identified below.

#### **Arts and Letters**

Three courses from the following: Art, Art History, Communication, Dance, Effective Learning, Film Arts, Languages (CW, FR, SPAN, ASL, and other Transfer Languages), Humanities, Journalism, Literature, Music, Philosophy, Religion, Theater Arts, Writing, BA 214, CW 201-203. ES 244

#### **Social Science**

Three courses from the following: Anthropology, Career Guidance, Economics, Ethnic Studies, Geographic Information Science, Geography, History, Human Development, Human Services, Philosophy, Political Science, Psychology, Religion, Sociology, Women's Studies.

# Science/Math/Computer Science

Nine courses from the following: Astronomy, Biology, Botany, Chemistry, Computer Science (CS prefix courses only, not CIS), Engineering, Geographic Information Science (GIS), Geology (G or ENSC), Mathematics (MTH 105 and higher), Physical Science (GS prefix), Physics, Zoology; ANTH 101, CJA 214, DA 110, DRF 205, DRF 207, ET 129, ET 130, ET 131, ET 145, ET 146, ET 151, ET 152, FT 113, GEOG 141, HO 150, HO 152, PSY 217, WST 230.

NOTE: Only one of the BI 101s, and one of the BI 102s and one of the BI 103s will meet the Science/Math/Computer Science requirements for any Lane Degree. (See the course description for more information).

#### III. Electives

Any college-level courses that bring total credits to 90 credits, including:

- Up to 18 credits of Cooperative Education may be included as electives. See Cooperative Education/Internships in the Course Descriptions.
- Up to 12 credits of Individual Music Lessons (MUP) may be included as electives.
- Up to 12 credits of Physical Education activity may be included within the entire degree (Electives and Health/Wellness Fitness).

 Up to 12 credits of Career Technical Education. See the list of Career Technical course prefixes in the Associate of Applied Science Degree section. Career Technical courses fulfilling Health/Wellness/Fitness requirements will not be counted in the 12-credit limit on Career Technical courses. Policies on accepting Career Technical credits vary at the four-year institutions in Oregon. Consult an academic advisor about taking Career Technical courses as Electives.

#### **Notes**

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115 (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- 4. Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements.
- 6. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 7. Courses numbered 199, 280, 298, or 299 count as electives, and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental, and may later be reviewed and approved for Discipline Studies. Consult an academic advisor or counselor.

# **Associate of Science: University of Oregon**

For students intending to transfer, the following Associate of Science (AS) degree may best match general education requirements for the University of Oregon (UO). Requirements of the AS degree include a rigorous general education program balanced with electives.

The AS-UO is NOT a block transfer degree. It does not guarantee that a student will have met the lower division general education requirements for baccalaureate degree programs. For some students planning to transfer to the UO, the AS-UO may be a better option than the AAOT.

Each student is strongly encouraged to work with an academic advisor to match career goals with an appropriate major and to select appropriate courses for transfer to the UO.

### **Guidelines**

- Complete a total of 90 credits of college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- 3. Foundational Skills and Discipline Studies courses must be a minimum of 3 credits.
- 4. All Elective courses may be any number of credits.

- Pass all Foundational Skills courses with a grade of "C-" or "P" or better. Pass all Discipline Studies and Elective courses with a grade of "D-" or "P" or better.
- 6. Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.
- Cumulative GPA must be at least 2.0 when the Associate of Science: University of Oregon degree is awarded.

# I. Foundational Skills

# Writing

Two courses (minimum 3 credits each): WR 121/WR 121\_H and either WR 122/WR 122\_H or WR 123

#### Mathematics

One course (minimum of 4 credits): MTH 105 or higher

# **II. Discipline Studies**

In addition to courses used for Foundational Skills, students must select additional courses in the areas identified below.

Each Discipline Studies area must include:

- At least two courses from one subject area and at least two different subject areas
- 2. No more than three courses from the same subject area.
- 3. At least one course from a second subject area

## **Arts/Letters**

15 credits from the Arts and Letters: AS-UO list

#### **Social Science**

15 credits from the Social Science: AS-UO list

## Science/Math/Computer Science

15 credits from the Science/Math/Computer Science: AS-UO list

#### III. Electives

Any college-level courses that bring total credits to 90 credits. A maximum of 24 credits may be earned in the following areas:

- 1. CareerTechnical courses. See the list of CareerTechnical course prefixes in the Associate of Applied Science section.
- 2. PE and dance activity courses (Dance majors see Academic Advising team for limitations in major requirements)
- 3. Studio instruction in music MUP (Music majors see Academic Advising team for limitations in major requirements)
- 4. Cooperative Education and supervised field experience
- 5. WR 115 may be included in the degree as an elective if completed summer 1999 or later.

#### **Notes**

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115 (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total credits.
- 5. Repeatable courses vary from institution to instituition. Please check with the UO regarding repeat acceptance practices.
- 6. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 7. Courses numbered 199, 280, 298, or 299 count as electives, and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental and may later be reviewed and approved for Discipline Studies. Consult an academic advisor or counselor.
- 8. The UO only allows one course in a student's major subject to count in a Discipline area. Example: Biology majors can only count one Biology course in the Science/Math/CS area at the
- A student selecting this transfer option still must meet the UO admission requirements, including course standing, grade point

average and foreign language.

**Note**: UO requires a minimum 2.25 GPA in all transfer credits for Oregon Residents (2.5 for nonresidents) for admission purposes.

# **Group I: ARTS AND LETTERS: AS-UO**

- \* Courses used to fulfill the Arts and Letters group requirements cannot also be used to meet the foreign language requirements for the B.A. degree
- \*\*Transfer as ENG courses

# Transfers to UO as Art History

ARH 200	Graphic Design History
ARH 203	American Indian Art & Architecture History
ARH 204, 205, 206	History of Western Art 1, 2, 3
ARH 207	History of Indian Art
ARH 208	History of Chinese Art
ARH 209	History of Japanese Art
ARH 211	Early Modern Art: 1850-1910
ARH 212	Twentieth-Century Art
ARH 214	Arts of the United States
ARH 217	Islamic Art
ARH 218, 219	History of Photography 1, 2
ARH 220	History of Photography: 1950-Present

Intro to Visual Arts

# **Transfers to UO as Dance**

**ART 111** 

D 251 Looking at Dance

# Transfers to UO as English

ENG 100	Children's Literature
ENG 104	Intro to Literature: Fiction
ENG 105, 105_H	Intro to Literature: Drama / Honors
ENG 106	Intro to Literature: Poetry
ENG 107, 108, 109	Survey of World Literature 1, 2, 3
ENG 151	Black American Literature
ENG 194	Literature of Comedy
ENG 201, 203	Shakespeare 1, 2
ENG 204, 205	Survey of British Literature 1, 2
ENG 215	Latino/a Literature
ENG 217	Reading, Writing & Digital Culture
ENG 218	Literature of the Islamic World
ENG 222	Literature & Gender
ENG 232	Native American Literature, Myth & Folklore
ENG 240	Nature Literature
ENG 243	Native American Autobiography
ENG 244	Asian American Literature
ENG 253, 254	Survey of American Literature 1, 2
ENG 257	The American Working Class in Fiction & Non- Fiction
ENG 259	African American Poetry, Plays & Film
ENG 260	Intro to Women Writers
ENG 261	Science Fiction
ENG 270	Bob Dylan: American Poet
FA 255	Understanding Movies: American Cinema
FA 264	Women Make Movies

# Transfers to UO as Folklore

FA 265

ENG 250 Intro to Folklore & Mythology

## Transfers to UO as French

FR 201, 202, 203 Second Year French 1, 2, 3

FR 288 Study Abroad: French Language & Culture in

Normandy

NOTE: UO considers FR 203 and FR 288 as repeats. Students will receive credit for only one of these courses. Courses meeting the foreign language requirements for the B.A. degree cannot be used to fulfill the Arts & Letters general education requirement.

African American Film Images

# **Transfers to UO as Humanities**

HUM 100 Humanities Through the Arts

#### Transfers to UO as Music

MUS 101 Music Fundamentals

MUS 201, 202, 203 Intro to Music & Its Literature 1, 2, 3
MUS 205 Intro to Jazz History
MUS 260 History of Hip Hop & Rap
MUS 261, 262, 263 Music History 1, 2, 3
MUS 264, 265, 266 History of Rock Music 1, 2, 3

Transfers to UO as Native American Studies

CW 201, 202, 203 Second Year Chinuk Wawa 1, 2, 3

NOTE: Courses meeting the foreign language requirements for the B.A. degree cannot be used to fulfill the Arts & Letters general education requirement.

## Transfers to UO as Philosophy

PHL 201 Ethics

PHL 202 Theories of Knowledge
PHL 203 Theories of Reality
PHL 221 Critical Thinking

# Transfers to UO as Spanish

SPAN 201, 202, 203 Second Year Spanish 1, 2, 3

NOTE: Courses meeting the foreign language requirements for the B.A. degree cannot be used to fulfill the Arts & Letters general education requirement.

# Transfers to UO as Speech

COMM 100 Basic Communications

COMM 111, 111\_H
COMM 115
COMM 218
COMM 220
Fundamentals of Public Speaking / Honors
Intro to Intercultural Communication
Interpersonal Communication
Communication, Gender & Culture

# Transfers to UO as Theater Arts

TA 272 Intro to Theatre

# **Group II: SOCIAL SCIENCE: AS-UO**

Transfers to UO as Anthropology

ANTH 102, 102\_H

ANTH 103

ANTH 227

ANTH 228

ANTH 229

ANTH 231, 232, 233

Cultural Anthropology

Prehistory of Mexico

Cultures of Mexico

Chicano Culture

American Indian Studies

# **Transfers to UO as Business**

BA 101 Intro to Business

# **Transfers to UO as Economics**

ECON 200, 201, 202 Principles of Economics: Intro / Micro / Macro ECON 204 Intro to International Economics

ECON 250 Class, Race & Gender in the US Economy
ECON 260 Intro to Environmental & Natural Resource
Economy

NOTE: Lane considers ECON 250 and ES 250 as repeats. Students will receive credit for only one of these courses.

#### Transfers to UO as Educational Studies

ED 100 Intro to Teaching

## Transfers to UO as Ethnic Studies

ES 101, 102
ES 212, 213
Chicano / Latino Studies
ES 221, 223
Chicano American Studies
ES 241
ES 244
Native American Studies
ES 244
Native American Story Telling
ES 250
Class, Race & Gender in the US Economy

NOTE: Lane considers ES 250 and ECON 250 as repeats. Students will receive credit for only one of these courses.

Chicano / Latino Leadership 2, 3

# Transfers to UO as Geography

SLD 112, 113

GEOG 142 Intro to Human Geography

GIS 151 Digital Earth

# Transfers to UO as History

HST 101, 102, 103 History of Western Civilization

HST 104, 105, 106 World History

HST 195 History of the Vietnam War
HST 201, 202, 203 History of the United States
HST 208 US History since 1945
HST 209 American History: The Civil War

HST 266 US Women's History

# Transfers to UO as Political Science

PS 201, 202 US Government & Politics

PS 203 State & Local Government & Politics

PS 205 International Relations PS 208 Intro to Political Theory

PS 211, 212, 213 Peace & Conflict Studies: Global / National / Local

PS 225 Political Ideology

PS 275 Legal Processes through Civil Rights & Liberties

## Transfers to UO as Psychology

PSY 202, 203 General Psychology

PSY 215 Lifespan Developmental Psychology

PSY 231 Human Sexual Behavior PSY 239 Intro to Abnormal Psychology

#### Transfers to UO as Sociology

SLD 101 Native Circles: It's Your Life
SLD 103 Post Racial America: Challenges & Opportunities

SLD 111 Chicano / Latino Leadership SLD 121 African American Leadership

SOC 108A Selected Topics in Women's Studies, Women's

Bodies, Women's Selves

SOC 204 Intro to Sociology

SOC 205 Social Stratification & Social Systems

SOC 206 Institutions & Social Change

SOC 207 Women & Work SOC 208 Sport & Society

SOC 210 Marriage, Family & Intimate Relations

SOC 211 Social Deviance
SOC 213 Race & Ethnicity
SOC 218 Sociology of Gender
SOC 225 Social Problems

SOC 228 Intro to Environmental Sociology

# Transfers to UO as Women's and Gender Studies

WS 101 Intro to Women's Studies

# **GROUP III: SCIENCE/MATH/COMPUTER SCIENCE: AS-UO**

\* Students may receive credit for only one Calculus 1 class and one Calculus 2 class.

\*\* Courses used to fulfill the Science group requirement cannot also be used to meet mathematics or computer and information science requirements for the B.S. degree.

#### Transfers to UO as Anthropology

ANTH 101 Physical Anthropology

## Transfers to UO as Astronomy

ASTR 121 Astronomy of the Solar System

ASTR 122 Stellar Astronomy

ASTR 123 Cosmology & the Universe

#### Transfers to UO as Biology

BI 101E-K, 101\_H General Biology / Honors
BI 102B-J, 102\_H General Biology / Honors
BI 103A-M, 103\_H General Biology / Honors

BI 112 Cell Biology for Health Occupations

BI 211, 212 Principles of Biology 1, 2

BOT 213, Z 213 Principles of Biology 3: Botany / Zoology BI 231, 232, 233 Human Anatomy & Physiology 1, 2, 3

BI 234 Introductory Microbiology

NOTE: UO considers all letter options of BI 101, BI 102, and BI 103 as repeats. Students will receive credit for only one BI 101, one BI 102, and one BI 103 course. UO considers BOT 213 and Z 213 as repeats. Students will receive credit for only one of these courses.

#### Transfers to UO as Chemistry

CH 104 Intro to General Chemistry

CH 106 Intro to Organic & Biological Chemistry
CH 112 Chemistry for Health Occupations

CH 114	Intro to Forensic Chemistry
CH 150	Preparatory Chemistry
CH 221, 222, 223	General Chemistry 1, 2, 3
CH 241, 242, 243	Organic Chemistry 1, 2, 3

### **Transfers to UO as Computer & Information Science**

Concepts of Computing: Information Processing CS 120 **CS 133JS** Beginning Programming: Java Script CS 160 Orientation to Computer Science

CS 161C+, 161P Computer Science 1 CS 162C+, 162P Computer Science 2

CS 233JS, 233N, 233P Intermediate Programming: Java Script/C#/Python

Advanced Programming: C# CS 234N

CS 260 Data Structures 1

NOTE: UO considers all letter options of CS 161 and CS 162 as repeats. Students will receive credit for only one CS 161 and one CS 162 course. Courses meeting Computer and Information Science requirements for the B.S. degree cannot be used to fulfill the Science/Math/Computer Science general education requirement.

#### Transfers to UO as General Science

Terrestrial Environment **FNSC 181** 

**ENSC 182** Atmospheric Environment & Climate Change

**ENSC 183** Aquatic Environment

GS 101 General Science (Nature of the Northwest)

GS 104, 105, 106 Physical Science 1, 2, 3

GS 109 Meteorology

GS 142 Earth Science: Earth Revealed

GS 147 Oceanography

HO 150, 152 Human Body Systems 1, 2

#### Transfers to UO as Geography

**GEOG 141** Natural Environment

# Transfers to UO as Geology

G 101 Earth's Dynamic Interior G 102 Earth's Dynamic Surface G 103 Evolving Earth G 146 Rocks & Minerals G 147 National Parks Geology G 148 Geologic Hazards

Earth Materials & Plate Tectonics G 201

G 202 Earth's Surface Systems Evolution of the Earth G 203 Intro to Soil Science SOIL 205

# Transfers to UO as Human Physiology

FN 225 Nutrition

## **Transfers to UO as Mathematics**

MTH 105, 106, 107 Math in Society 1, 2, 3

MTH 211, 212, 213 Fundamentals of Elementary Math 1, 2, 3 Discrete Math 1, 2 MTH 231, 232

MTH 241, 242 Elementary Calculus 1, 2 Intro to Probability & Statistics MTH 243

MTH 251, 252, 253 Calculus 1, 2, 3 MTH 260 Linear Algebra

MTH 265 Statistics for Scientists & Engineers

NOTE: Students may receive credit for MTH 241 or MTH 251, but not both. Students may receive credit for MTH 242 or MTH 252, but not both. Courses meeting the Mathematics requirements for the B.S. degree cannot be used to fulfill the Science/Math/ Computer Science general education requirement.

# Transfers to UO as Physics

Fundamentals of Physics 1, 2, 3 PH 101, 102, 103

PH 201, 202 203 General Physics 1, 2, 3

PH 211, 212, 213 General Physics with Calculus 1, 2, 3

# Transfers to UO as Psychology

**PSY 201** General Psychology Learning & Memory **PSY 212** 

#### **MULTICULTURAL REQUIREMENT: AS-UO**

Bachelor's degree candidates at the UO, including those with an AAOT, ASOT-Business, or ASOT-Computer Science, must complete one course in two of the following categories: AC – American Cultures; IP – Identity, Pluralism & Tolerance; and IC - International Cultures. A minimum of 6 credits in approved courses must be earned.

# **Area A: American Cultures**

**ANTH 229** Chicano Culture ANTH 231, 232, 233 American Indian Studies

American Indian Art & Architecture History **ARH 203** 

Black American Literature **ENG 151 ENG 215** Latino/a Literature

**ENG 232** Native American Literature, Myth & Folklore

**ENG 243** Native American Autobiography

**ENG 259** African American Poetry, Plays & Film

Racial & Ethnic Issues: Historical / Contemporary ES 101, 102 ES 212 Chicano / Latino Studies African American Studies

ES 221, 223 ES 241 Native American Studies ES 244 Native American Story Telling FA 265 African American Film Images

Intro to Jazz History MUS 205 History of Hip Hop & Rap MUS 260 MUS 264, 265, 266 History of Rock Music 1, 2, 3 SLD 101 Native Circles: It's Your Life

**SLD 103** Post Racial America: Challenges & Opportunities

SLD 112, 113 Chicano / Latino Leadership SLD 121 African American Leadership

**SOC 225** Social Problems

#### Area B: Identity, Pluralism & Tolerance

Intro to Intercultural Communication **COMM 115** Communication, Gender & Culture **COMM 220 ECON 250** Class, Race & Gender in the US Economy

Literature & Gender **ENG 222** Intro to Folklore & Mythology **ENG 250** 

**ENG 260** Intro to Women Writers Chicano / Latino Studies ES 213

ES 250 Class, Race & Gender in the US Economy

FA 264 Women Make Movies

FA 276 Gender, Race & Class in US Cinema HS 267 Cultural Competence in Human Services

HST 195 History of the Vietnam War **HST 266** US Women's History

**SOC 108A** Selected Topics in Women's Studies, Bodies,

Selves

SOC 204 Intro to Sociology

Social Stratification & Social Systems **SOC 205** 

SOC 207 Women & Work SOC 213 Race & Ethnicity **SOC 218** Sociology of Gender WS 101 Intro to Women's Studies

## **Area C: International Cultures**

ANTH 102, 102 H World Archaeology / Honors **ANTH 103** Cultural Anthropology **ANTH 227** Prehistory of Mexico Cultures of Mexico **ANTH 228 ARH 207** History of Indian Art **ARH 208** History of Chinese Art **ARH 209** History of Japanese Art

Islamic Art **ARH 217** 

ENG 107, 108, 109 Survey of World Literature 1, 2, 3 **ENG 218** Literature of the Islamic World **ENG 244** Asian American Literature **GEOG 142** Intro to Human Geography

HST 104, 105 106 World History

SLD 111 Chicano / Latino Leadership

# **Associate of Science: Oregon State University**

For students intending to transfer, the following Associate of Science (AS) degree may best match general education requirements for Oregon State University (OSU). Requirements of the AS degree include a rigorous general education program balanced with electives.

The AS-OSU is **not** a block transfer degree. It does not guarantee that a student will have met the lower division general education requirements for baccalaureate degree programs. For some students planning to transfer to OSU, the AS-OSU may be a better option than the AAOT.

Each student is strongly encouraged to work with an academic advisor to match career goals with an appropriate major and to select appropriate courses for transfer to OSU.

#### **Guidelines**

- Complete a total of 90 credits of college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- 3. Skill Courses and Perspectives Courses must be a minimum of 3 credits.
- 4. All Elective courses may be any number of credits.
- Pass all Skills Courses with a grade of "C-" or "P" or better. Pass all Perspectives Courses and Elective courses with a grade of "D-" or "P" or better.
- 6. Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.
- No single course can be used to satisfy more than one area of the Skill or Perspectives courses, even though some courses are approved for more than one area.
- 8. Cumulative GPA must be at least 2.0 when the Associate of Science degree is awarded.

# I. Skill Courses

- 1. Writing I (3 credits) -- see the Skill Courses: AS-OSU list
- 2. Writing II (3 credits) -- see the Skill Courses: AS-OSU list
- 3. Writing III/Speech (3 credits) -- see the Skill Courses: AS-OSU list
- 4. Mathematics (3 credits) -- see the Skill Courses: AS-OSU list
- 5. Health/Fitness (3 credits) -- see the Skill Courses: AS-OSU list

# **II. Perspectives Courses**

In addition to Skill Courses, students must select additional courses in each of the areas identified below. No more than two courses from any one department may be used to satisfy the Perspectives area.

- Physical Science with lab (4 credits) -- see the Perspectives Courses: OSU list
- 2. Biological Science with lab (4 credits) -- see the Perspectives Courses: OSU list
- 3. Choice of an additional Physical or Biological Science with lab (4 credits) -- see the Perspectives Courses: OSU list
- 4. Western Culture (3 credits) -- see the Perspectives Courses: OSU list
- Cultural Diversity (3 credits) -- see the Perspectives Courses: OSU list
- Literature and the Arts (3 credits) -- see the Perspectives Courses: OSU list
- Social Processes and Institutions (3 credits) -- see the Perspectives Courses: OSU list
- 8. Difference, Power, and Discrimination (3 credits) -- see the Perspectives Courses: OSU list

#### **III. Electives**

Any college-level courses that bring total credits to 90 credits. Limitations include:

- CareerTechnical courses -12 credit maximum. See the list of CareerTechnical course prefixes in the Associate of Applied Science section.
- PE and dance activity courses -- 11 credit maximum (Dance majors see Academic Advising team for limitations in major requirements)
- Studio instruction in music (MUP) -- 12 credit maximum (Music majors see Academic Advising team for limitations in major requirements)
- Co-operative Education and supervised field experience --12 credits maximum.
- WR 115 may be included in the degree as an elective if completed summer 1999 or later.

#### Notes

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115. (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.

**Note:** OSU requires a minimum 2.25 GPA in college-level transfer credits for admission processes.

- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements. See limitations under Electives for maximum credits allowed for subject categories.
- 6. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 7. Courses numbered 199, 280, 298,or 299 count as electives and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental and later may be reviewed and approved for Discipline Studies.
- 8. Only the highest grade for a repeated course will be calculated in the GPA for the purposes of admissions to OSU.
- OSU requires an additional 9 credits of junior or senior year courses to satisfy general education ("Baccalaureate Core") requirements for all bachelor's degrees. These credits must be taken at OSII
- 10.A student selecting this transfer option must still meet OSU admission requirements, including course standing, grade point average and foreign language. Note: OSU requires a minimum 2.25 GPA in college-level transfer credits for admission purposes.

# **Skill Courses: AS-OSU**

# Writing I

WR 121 WR 121 H Intro to Academic Composition
Intro to Academic Composition-Honors

Writing II		BI 102C	Gen Biology-Marine Biology
BA 214	Business Communications	BI 102D	Gen Biology-Survey of Biology
J216	Newswriting I	BI 102E	Gen Biology-Animal Biology
WR 122	Argument, Research & Multimodal Composition	BI 102G	Gen Biology-Genetics & Society
WR 122_H	Argument, Style and Research & Multimodal	BI 102H	Gen Biology-Forest Biology
VVII 122_11	Composition-Honors	BI 102I	General Biology-Human Biology
WR 123	Composition: Research	BI 102J	
	Technical Writing		General Biology - Ethnobotany
WR 227	Creative Nonfiction	BI 103	General Biology
WR 240		BI 103A	Gen Biology-Birds of Oregon
WR 241	Intro to Imag Writing: Fiction	BI 103B	Gen Biology-Field Biology
WR 242	Intro to Imag Writing: Poetry	BI 103D	Gen Biology-Sea Birds/Mammals
187 *** 111		BI 103E	Gen Biology-Survey of Biology
Writing III	E 1 (D.1); 0 1;	BI 103F	Gen Bio - Wildflowers of Oregon
COMM 111	Fund of Public Speaking	BI 103G*	Gen Biology-Global Ecology
COMM 112	Persuasive Speech	BI 103H	Gen Biology-Mushrooms
COMM 218	Interpersonal Communication	BI 103 J	Gen Biology-Forest Ecology
COMM 219	Small Group Discussion	BI 103K	Gen Biology-Animal Behavior
		BI 103L	Gen Bio - Evolution & Diversity
Mathematics		BI 103M	Gen Bi - Biodiv & Sustainability
MTH105	Intro to Contemporary Math	BI 211	Principles of Biology
MTH106	Intro to Contemporary Math 2	BI 212	Principles of Biology
MTH111	College Algebra		
MTH112	Trigonometry	BI 234	Introductory Microbiology
MTH211	Fundamentals of Elementary Math 1	BOT 213	Principles of Botany
MTH241	Elementary Calculus 1	Z 213	Principles of Zoology
MTH251	Calculus 1 - Differential Calc		
	Salealas I Billorollala Sale	Western Culture	
Fitness		ARH 204, 205, 206	History of Western Art
HE 275	Lifetime Health & Fitness	ARH 212	Twentieth Century Art
112 270	Elletime ficultif & Fittless	CINE 265	Film History 1: Silent Era to Early Sound
		CINE 266	Film History 2: Sound Era through 1960s
Perspectives Co	ourses: AS-OSU	CINE 267	Film History 3: 1960s to the Present
DI : 10:		ENG 107, 108, 109	Survey of World Literature
Physical Science	1	ENG 201, 203	Shakespeare
CH 104	Introductory Chemistry 1	ENG 204, 205	Survey of British Literature
CH 110	Chemistry in Everyday Life	ENG 250	Intro to Folklore And Myth
CH 114	Forensic Chemistry	ENG 253	Survey of American Lit
CH 221, 222, 223	General Chemistry 1, 2, 3	ENG 254	Survey of American Lit
ENSC 181	Terrestrial Environment		,
ENSC 182	Atmospheric Environment & Population	FA 255	Understd Movies: Amer Cinema
ENSC 183	Aguatic Environment	HST 101, 102, 103	History Western Civilization
ENSC 184	Global Climate Change	HST 104, 105, 106	World History
G 101	Earth's Dynamic Interior	HST 201, 202, 203	History of the United States
G 102	Earth's Dynamic Surface	HST 207	History of the American West
G 103	Evolving Earth	HST 208	Us History Since 1945
G 146	Rocks and Minerals	PHL 201	Intro Philosophy: Ethics
G 147	National Parks Geology	PHL 205	Contemporary Moral Issues
G 160	Regional Geologic Field Studies	PS 208	Intro to Political Theory
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G 201	Earth Materials & Plate Tectonics	<b>Cultural Diversity</b>	
G 202 G 203	Earth's Surface Systems		D I CRA .
(1/0.5	Frankling of the Frankling	ANTH 227	Prehistory of Mexico
	Evolution of the Earth	ANTH 227 ANTH 228	Cultures of Mexico
GIS/GEOG 151	Digital Earth	ANTH 228	Cultures of Mexico
GIS/GEOG 151 GS 104	Digital Earth Physical Science	ANTH 228 ANTH 231, 232, 233	Cultures of Mexico American Indian Studies
GIS/GEOG 151 GS 104 GS 105	Digital Earth Physical Science Physical Science	ANTH 228 ANTH 231, 232, 233 ARH 203	Cultures of Mexico American Indian Studies Surv Amer Indian Art/Architect
GIS/GEOG 151 GS 104 GS 105 GS 106	Digital Earth Physical Science Physical Science Physical Science Physical Science	ANTH 228 ANTH 231, 232, 233 ARH 203 ARH 207	Cultures of Mexico American Indian Studies Surv Amer Indian Art/Architect History of Asian Art: India
GIS/GEOG 151 GS 104 GS 105 GS 106 PH 101	Digital Earth Physical Science Physical Science	ANTH 228 ANTH 231, 232, 233 ARH 203 ARH 207 ARH 208	Cultures of Mexico American Indian Studies Surv Amer Indian Art/Architect History of Asian Art: India History of Asian Art: China
GIS/GEOG 151 GS 104 GS 105 GS 106	Digital Earth Physical Science Physical Science Physical Science Physical Science	ANTH 228 ANTH 231, 232, 233 ARH 203 ARH 207 ARH 208 ARH 209	Cultures of Mexico American Indian Studies Surv Amer Indian Art/Architect History of Asian Art: India History of Asian Art: China History of Asian Art: Japan
GIS/GEOG 151 GS 104 GS 105 GS 106 PH 101	Digital Earth Physical Science Physical Science Physical Science Physical Science Fund Physics	ANTH 228 ANTH 231, 232, 233 ARH 203 ARH 207 ARH 208 ARH 209 ENG 232	Cultures of Mexico American Indian Studies Surv Amer Indian Art/Architect History of Asian Art: India History of Asian Art: China History of Asian Art: Japan Native American Literature
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ART 204	History of Western Art
ART 205	History of Western Art
ART 206	History of Western Art
ART 207	History of Asian Art: India
ART 208	History of Asian Art: China
ART 209	History of Asian Art: Japan
ART 211	Surv Visual Arts: Early Modern
ENG 104	Intro to Literature: Fiction
ENG 105	Intro to Literature: Drama
ENG 106	Intro to Literature: Poetry
ENG 107	Survey of World Literature
ENG 108	Survey of World Literature
ENG 109	Survey of World Literature
ENG 151	Black American Literature
ENG 205	Survey of British Literature
ENG 215	Latino/a Literature
ENG 222	Literature and Gender
ENG 250	Intro to Folklore and Myth
ENG 253	Survey of American Lit
ENG 254	Survey of American Lit
ENG 257	The American Working Class
ENG 259	African Amer Poetry/Plays/Film
ENG 260	Intro to Women Writers
FA 255	Understd Movies: Amer Cinema
FA 264	Women Make Movies
FA 265	African American Film Images
HUM 100	Humanities Through the Arts
MUS 201	Intro Music and Its Lit
MUS 202	Intro to Music and Its Lit
MUS 203	Intro Music and Its Lit
MUS 205	Intro Jazz History
MUS 261	Music History
MUS 262	Music History
MUS 263	Music History
MUS 264	History of Rock Music 1

MUS 265	History of Rock Music 2
MUS 266	History of Rock Music 3
TA 272	Introduction to Theater

#### Social Processes and Institutions

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I	ANTH 103	Cultural Anthropology
I	ECON 201	Prin Econ: Microeconomics
	ECON 202	Prin Econ: Macroeconomics
	ECON 204	Intro to International Econ
	ECON 260	Environ. Natural Resource Ec
	GEOG 142	Intro to Human Geography
	HE 209	Human Sexuality
	HST 101	History Western Civilization
	HST 102	History Western Civilization
	HST 103	History Western Civilization
	PS 201	American Govt & Politics
	PS 202	American Govt & Politics
	PS 205	International Relations
	PSY 201	General Psychology
	PSY 202	General Psychology
	PSY 203	General Psychology
	SOC 204	Introduction to Sociology
I	SOC 205	Social Stratificatn & Soc Sys
I	SOC 206	Institutions & Social Change

#### **Difference Power and Discrimination**

ES 102	Contemporary Racial and Ethnic Issues
ES 212	Chicano/Latino Studies Chicano/Latino Studies
ES 213	African-American Studies
ES 221	African-American Experience
HST 201	History of the United States
HST 202	History of the United States
HST 203	History of the United States
SOC 213	Race and Ethnicity
SOC 225	Social Problems

# **Associate of General Studies**

The Associate of General Studies degree provides an alternative for students pursuing some transfer programs to meet individual goals, balancing general education and elective transfer or career technical coursework. Award of this degree does not guarantee admission to a state four-year institution, or that all lower division general education requirements have been met, nor does it ensure junior status at a state four-year institution.

A student selecting this option still must meet the receiving university's admission requirements, including course standing, grade point average and foreign language.

All courses should be aligned with the student's intended program of study and the degree requirements at the intended transfer institution.

Each student is strongly encouraged to work with an academic advisor or counselor to match career goals with an appropriate program, and to select appropriate courses for a major at an intended transfer institution.

# Guidelines

- Complete a total of 90 credits college-level coursework (see notes).
- 2. Complete at least 24 credits at Lane.
- Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/PE courses, which may be any number of credits.
- 4. All Elective courses may be any number of credits.
- Pass all Foundational Skills courses with a grade of "C-" or "P" or better. Pass all Discipline Studies and Elective courses with a grade of "D-" or "P" or better.

- Cumulative GPA must be at least 2.0 when the Associate of General Studies degree is awarded.
- 7. Maximum 16 credits "P" may be used toward degree. This limit does not include courses only offered P/NP.

# I. Foundational Skills

# **English Composition**

Two courses (minimum 3 credits each): WR 115 (summer 1999 or after), WR 121/WR 121 H, WR 122/WR 122 H, WR 123, WR 227

# **Mathematics**

One of the following options:

One Course (minimum 4 credits): MTH 105 or higher

OR

Two courses (minimum 4 credits each): MTH 052 or higher and one of the following: CIS 101 or CS 120 (MTH 052 does not meet college-level course requirements).

#### Health/Wellness/Fitness

Three credits, one course required from the list of activity classes from the AAOT, plus additional credits from PE 181-298 or the listing to total three credits. One credit from PE 186W accepted to meet this requirement.

OF

Three credits EXMS 214, FN 225, HE 152, 209, 222, 240, 250, 255, 262, 275 or 290; or HE 125, 252 (summer 1997 or later), HI 101.

# II. Discipline Studies

In addition to courses used for Foundational Skills, students must select additional courses in the areas identified below.

#### **Arts and Letters**

12 credits from the following: Art, Art History, Communications, Dance, Effective Learning, Film Arts, Language (CW, FR, SPAN, ASL, and other Transfer Languages), Humanities, Journalism, Literature, Music, Philosophy, Religion, Theater Arts, Writing, ES 244

#### **Social Science**

12 credits from the following: Anthropology, Career Guidance (CG), Economics, Ethnic Studies, Geographic Information Science (GIS), Geography, History, Human Development (HD), Human Services (HS), Philosophy, Political Science, Psychology, Religion, Sociology, Women's Studies, Humanities

#### Science/Math/Computer Science

14 credits from the following: Astronomy, Biology, Botany, Chemistry, Computer Science (CS prefix courses only, not ClS), Engineering, Geographic Information Science (GIS), Geology (G or ENSC), Mathematics (MTH 105 and higher), Physical Science (GS prefix), Physics, Zoology; ANTH 101, CJA 214, DA 110, DRF 205, DRF 207, ET 129, ET 130, ET 131, ET 145, ET 146, ET 151, ET 152, FT 113, GEOG 141, HO 150, HO 152, PSY 217, WST 230.

NOTE: Only one of the BI 101s, and one of the BI 102s and one of the BI 103s will meet the Science/Math/Computer Science requirements for any Lane Degree. (See the course description for more information).

#### III. Electives

Any college-level courses that bring total credits to 90 credits including:

- Up to 18 credits of Cooperative Education may be included as electives. See Cooperative Education/Internships in the Course Descriptions.
- Up to 12 credits of Individual Music Lessons (MUP) may be included as electives.
- Up to 12 credits of Physical Education activity may be included within the entire degree (Electives and Health/Wellness Fitness).
- Although there are no limits on CareerTechnical courses for the AGS, policies on accepting CareerTechnical credits vary at the

four-year institutions in Oregon. Consult an academic advisor about taking Career Technical courses as Electives.

#### Notes

- College-level courses are numbered 100 or higher. Courses numbered 001-099 identify developmental courses (e.g. RD 090), with the exception of ENG 110, 116, 117; MTH 100, RD 115, WR 110, 120 and WR 115. (taken before summer 1999), which are considered developmental.
- Foundational Skills are open to demonstration of proficiency.
   For information on waiver testing or credit for prior learning, contact a counselor or academic advisor.
- University second language admission requirements for transfer students graduating high school in 1997 and thereafter include one of the following:
  - a) two terms of a college-level second language with an average grade of C- or above, OR
  - b) two years of the same high school-level second language with an average grade of C- or above, OR
  - c) satisfactory performance on an approved second language assessment of proficiency.
  - d) demonstrated proficiency in American Sign Language meets this second language admission requirement.
- 4. Credit-by-Exam and Credit-by-Assessment may comprise up to 25% of total degree credits.
- Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements.
- 6. Lower-division college-level courses (100 and 200-level) taken at Lane may not meet the requirements of an upper-division course with a similar title and content offered by public universities in Oregon. In such cases, the courses in question will normally transfer as electives.
- 7. Courses numbered 199, 280, 298, or 299 count as electives, and do not meet Discipline Studies requirements. Courses numbered 199 and 299 are experimental, and may later be reviewed and approved for Discipline Studies. Consult an advisor or counselor.

# **Associate of Applied Science**

Associate of Applied Science degrees train graduates for immediate employment and direct entry into the workforce. Many career technical programs require cooperative education or internships and may require licensure exams or certifications. Career Technical courses do not necessarily transfer to other institutions. See the index for Career Technical course prefixes.

Students who wish to pursue an AAS degree must choose a career technical program and follow the requirements listed for that program (see CareerTechnical programs for specific curriculum).

Each student is strongly encouraged to work with a Lane academic advisor or counselor to match career goals with an appropriate program. Each AAS degree has specific program requirements. The following information is provided only as an overview of the AAS degree.

#### Guidelines

- Total credits for an AAS degree range from 90-108 credits, depending on program requirements. Complete program with a minimum of 24 credits earned at Lane.
- Foundational Skills and Discipline Studies courses must be a minimum of 3 credits, except for Health/PE courses, which may be any number of credits.
- 3. Pass all Foundational Skills and Discipline Studies courses with a grade of "C-" or "P" or better.
- 4. Pass all required program core courses with a letter grade of "C-" or better, unless your AAS program has different

requirements.

- 5. Developmental courses may not be used unless specified in the program
- Cumulative GPA must be at least 2.0 when the Associate of Applied Science degree is awarded.

# I. Foundational Skills

Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or academic advisor. Waiver testing is not the same as placement testing.

#### Writing

Three credits (one class). See your program for the specific required class. If none is listed, you must take one course, WR 115 (Summer 1999 or after) or higher.

# **Mathematics**

One course, minimum 3 credits. See your program for the specific required class. If none is listed, take one course, MTH 025 or higher.

# **Physical Education or Health**

Three credits, of any PE activity class.

Ol

Three credits EXMS 214, FN 225, HE 152, 209, 222, 240, 250, 255, 262, 275 or 290; or HE 125, 252 (summer 1997 or later), HI 101

# **II. Discipline Studies**

In addition to courses used for Foundational Skills in section 1, twelve additional credits are required with 3 credits minimum from Arts and Letters; 3 credits minimum from Human Relations, 3 credits minimum from Science/Math/Computer Science; and remaining credits from any of the 4 disciplines.

#### **Arts and Letters**

Three credits minimum from one subject prefix as specified by program, or if not specified, chosen from Art, Art History, Communication, Dance, Effective Learning, English, Film Arts, Foreign Language, Humanities, Journalism, Literature, Music, Philosophy, Religion, Theater Arts, Writing, BA 214, CW 201-203, or ES 244.

#### **Human Relations**

Three credits minimum from one subject prefix as specified by program, or if not specified, chosen from the approved Human Relations list.

# **Social Science**

Three credits minimum from one subject prefix as specified by program, or if not specified, chosen from the following: Anthropology, Career Guidance (CG), Economics, Ethnic Studies, Geographic Information Science (GIS), Geography, History, Philosophy, Human Development (HD), Human Services (HS), Political Science, Psychology, Religion, Sociology, Women's Studies; CJA 214, HUM 100, SLD 103, SLD 121

#### Science/Math/Computer Science

Three credits minimum as specified by program, or if not specified, chosen from Astronomy, Biology, Botany, Chemistry, Computer Science (CS prefix only, not CIS), Engineering, Geographic Information Science, Geology (G or ENSC), Mathematics (must be a higher level course than the minimum required by the program), Physical Science (GS prefix), Physics, Zoology; ANTH 101, ANTH 102, CJA 214, DA 110, DRF 205, DRF 207, ET 129, ET 130, ET 131, ET 145, ET 146, ET 151, ET 152, FT 113, GEOG 141, HO 150, HO 152, or PSY 217.

# **III. Program Core Requirements**

Core course work varies from program to program. Not all programs offer a degree. See the individual program descriptions for specific requirements and limitations.

## **Human Relations Courses**

Three credits from this list will meet the Human Relations component for AAS degrees and certificates.

BA 278	Leadership and Team Dynamics
	0 11 0

CG 100 College Success
CG 203 Human Relations at Work

COMM 130 Business and Professional Communication

COMM 218 Interpersonal Communication

COMM 219 Small Group Discussion

#### **Career Technical Courses**

Policies on accepting career technical credits vary at the four-year colleges in Oregon. Consult an academic advisor about taking career technical courses as electives for transfer to a four-year institution.

Career Technical courses currently offered at Lane are identified by the following subject codes:

AM Automotive
APR Apprenticeship
AS Aerospace Science
AUD Audio Production
AV Aviation Maintenance
BT Business Technology
CA Culinary Arts

CIS Computer Information Systems
CNC Computer Numerical Control

CSK Career Skills
CST Construction
DA Dental Assisting
DH Dental Hygiene
DRF Drafting

DS Diesel
ECE Early Childhood Education
EMT Emergency Medical Technology

ET Electronic Technology

FLS Fitness and Lifestyle Specialist

FN Food and Nutrition
FT Flight Technology
GD Graphic Design
GWE General Work Experience

HDFS Human Development and Family Studies

HI Health Informatics
HIM Health Information Management
HIT Health Information Technology

Health Occupations

HRTM Hotel, Restaurant, Tourism Management

HS Human Services
LA Legal Assistant
MA Medical Assisting
MDP Multimedia Production
MFG Manufacturing

MUL Multimedia

NRG Energy Management NRS Nursing

OST Occupational Skills Training

PN Practical Nursing

PTA Physical Therapist Assistant

RTEC Regional Technology Education Consortium

SUST Sustainability
VP Video Production
WATR Water Conservation

WLD Welding

WST Water Shed Technologies

Career Technical subject codes previously used by Lane include: AB, AIL, AVN, APPR, BVDP, CSP, EET, ELT, EXMS, HI, IT, LAT, LE, LGL, MMT, MO, MS, NUR, OA, PA, PGS, PST, PTV, RE, RH, RT, RVS, SS

# **Career Technical Certificates**

Students are encouraged to contact an academic advisor or counselor to determine which certificate is appropriate to meet their goals.

Lane awards certificates to students who meet the listed certificate requirements for Lane's career technical degrees. Refer to the individual programs for more specific requirements.

Students should check with their major academic advising team for possible associate degree options.

# I. Foundational Skills

Students must complete all requirements in this section with a minimum grade of C- or "P" (Pass), unless otherwise noted by the sponsoring department that the course requires a letter grade and/or a higher grade.

Note: Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or advisor.

# Writing

HO

One course, minimum 3 credits as specified by the program, or if not specified, WR 115W, WR 115 (Summer 1999 or after) or higher.

#### **Mathematics**

One course, minimum 3 credits as specified by the program, or if not specified, MTH 025 or higher.

#### **Human Relations**

Three credits minimum as specified by program, or if not specified, chosen from the Human Relations list.

# **II. Program Core Requirements**

Core course work varies from program to program. Not all programs offer a certificate. See the individual program descriptions for specific requirements and limitations.

- Career Technical Certificates of Completion are between 45-108 credits, including Less-Than One Year Certificate (12-44 credits), One-Year Certificate (45-60 credits), and Two-Year Certificate (61-108 credits).
- Pass all required program core courses with a letter grade of "C-" or better, unless your AAS program has different requirements.
- Some career technical programs may have higher general education course and/or grade requirements. Only the

- Academic Requirements Review Committee may waive a college General Education requirement. Petitions are available from Enrollment Services at *lanecc.edu/esfs/enrollment-services-forms*
- Programs may have specific courses listed to fulfill the Foundational Skills in Section I. For the Human Relations area, a department may substitute another course from the approved course list
- A maximum of 18 credits of Cooperative Education listed under the Cooperative Education/Internships in the course descriptions may be used.
- A maximum of 12 credits of Physical Education list from the AAOT under Health/Wellness/Fitness may be used.
- Developmental courses may be used only when listed specifically by certificate program requirements. (Course numbers 001 through 099 usually identify these courses.)
   However, WR 115 taken prior to summer 1999 may not be used.

# **Career Pathway Certificates**

Career Pathway Certificates of Completion (CPC) are between 12-44 credits and are fully embedded in an Associate of Applied Science degree or One-Year Certificate. They acknowledge proficiency in specific technical skills and are a "milestone" toward completion of a more advanced program. CPCs help students qualify for entry-level jobs, enhance their current program, or advance in their current field of employment.

#### **Career Pathway Certificates offered at Lane**

Lane divides CPCs into two categories—Model A: Beginning and Model B: Advanced. Curriculum for the following CPCs may be found in the CareerTechnical program descriptions.

To learn more about Career Pathway Certificates of Completion, contact the academic department responsible for the certificate or an academic advisor, https://www.lanecc.edu/advising

# **Model A Certificates**

These are front end certificates ideal for students transitioning from Adult Basic Skills, English as a Second Language or dislocated workers looking for entry level jobs in a new career field, or those interested in short term training. These certificates may be taken independently and require minimal academic prerequisites or professional preparation.

Basic Health Care, embedded in Health Information Management AAS Customer Service, embedded in Administrative Office Professional AAS

Early Childhood Teacher's Aide 1, embedded in Early Childhood Education AAS

Front End Web Development, embedded in Computer Programming AAS

**Group Exercise Instructor**, embedded in Fitness and Lifestyle Specialist One Year Certificate

Manufacturing Technician 1, embedded in ManufacturingTechnology AAS Meeting, Convention, and Special Events Manager, embedded in Hotel/Restaurant/Tourism Management AAS

**Trade Worker Apprenticeship Technologies**, embedded in Construction Trades, General Apprenticeship AAS

**Trade Worker Apprenticeship Technologies**, embedded in Electrician Apprenticeship Technologies AAS

Trade Worker Apprenticeship Technologies, embedded in Industrial Mechanics and Maintenance Technology Apprenticeship AAS Model

#### **Model B Certificates**

These are advanced certificates ideal for professional development of those currently employed or those seeking to enhance their current or previous educational path. They support the development of specialized skills within a career field. In many cases, they require either significant academic prerequisites or demonstrated professional expertise.

Commercial Unmanned Aerial Systems: Aerial Photography, embedded in Commercial Unmanned Aerial Systems AAS (pending state approval)

Commercial Unmanned Aerial Systems: Geographic Information Science, embedded in Commercial Unmanned Aerial Systems AAS (pending state approval)

**Computer Network Monitoring and Management**, embedded in Computer Network Operations AAS

**Computer Network Security**, embedded in Computer Network Operations AAS

Database Specialist, embedded in Computer Programming AAS
Guidance and Curriculum, embedded in Early Childhood Education AAS
Infant and Toddler, embedded in Early Childhood Education AAS
Legal Office Skills, embedded in Administrative Office Professional AAS
Manufacturing Technician 2, embedded in Manufacturing Technology AAS
Medical Coding, embedded in Health Information Management AAS
MIDI and Audio Production, embedded in Music Technology and
Production AAS

MIDI Production, embedded in MusicTechnology and Production AAS Mobile Application Development, embedded in Computer Programming AAS

**Office Software Specialist**, embedded in Administrative Office Professional AAS

Shielded Metal Arc Welder, embedded in Fabrication Welding AAS Small Business Ownership, embedded in Administrative Office Professional AAS

Wire Drive Welder, embedded in Welding Processes One-Year Certificate

# **Oregon Transfer Module**

A state-approved Transcription Notation (not a degree or certificate)

For students intending to transfer within a year to a public university in Oregon, this transcript notation ensures the 45 credits of specific general education requirements and electives will be accepted at any state institution, and ensures sophomore status for registration purposes. Upon transfer, the receiving institution may specify

additional course work required for a major or for degree requirements or to make up the difference between the Transfer Module and the institution's total General Education requirements.

Any student holding an OregonTransfer Module that conforms to the guidelines below will have met the requirements for the Transfer Module at any Oregon community college or public institution. Oregon Transfer Module credits also may not match program requirements in the receiving school. Students are encouraged to meet with a counselor or academic advisor for planning their courses. The Oregon Transfer Module includes 45 credits of course work, equivalent to 3 academic quarters.

#### I. Foundational Skills

#### Writing

Two courses of college-level composition (WR 121/WR 121\_H and WR 122/WR 122 H, WR 123, or WR 227)

#### **Oral Communications**

One course of fundamentals of speech or communication (COMM 100, 111, 112, 130, 218, 219)

#### **Mathematics**

One course in college-level mathematics designated by the college as meeting the statewide criteria for mathematics.

**Note:** Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or advisor.

# II. Discipline Studies (must be at least 3 credits each)

#### **Arts and Letters**

Three courses from approved list under AAOT degree

#### **Social Sciences**

Three courses from approved list under the AAOT degree

## Science/Math/Computer Science

Three courses from the approved list under the AAOT degree including at least one biological or physical science with a lab

# **III. Additional Requirements**

- Electives as needed to bring the total credits to 45. Courses must be from the Disciplines Studies (Arts and Letters, Social Sciences, or Science/Math/Computer Science).
- Grades: All courses must have a grade of "C-" or better.
- Cumulative GPA: Students must have a minimum cumulative GPA of 2.0 at the time the module is posted to the student's transcript.
- Developmental Courses are designed to prepare students for college transfer courses are not applicable to the Oregon Transfer Module.

#### **Notes and Limitations**

When choosing courses in science and mathematics, students/ advisors should check specific requirements at receiving schools. Courses that include a lab component, or that deal with specific subjects, may be required for majors or degrees.

# **Career Communities**

# Career-Technical Programs and Transfer Interest Areas

To help students explore college majors and career fields related to their interests, Lane has organized career-technical programs and transfer interest areas into eight Career Communities:

- · Arts and Communications;
- · Business and Office Professionals;
- · Computer Science and Information Technology;
- · Culinary, Hospitality, and Tourism;
- Health, Medical, and Fitness;
- Industrial Trades, Technologies, Transportation, and Apprenticeship;
- · Science, Natural Resources, Math, and Engineering;
- · Social Sciences, Social Services, and Education.

We encourage students to browse one or more categories of interest and review the list of related majors. Consider taking courses in these areas to explore your interests, meet with the assigned academic advising teams to learn about classes and degree options, and visit the Counseling and Career Center to explore career fields and occupations. You can see these Career Communities online at laneace edu/ccc/career-communities.

# **Career-Technical Programs**

Career-technical programs train graduates for immediate employment and direct entry into the workforce.

Curriculum requirements and descriptions for Lane's career-technical degrees and certificates may be found in the Career-Technical section of this catalog. (In the Career-Technical section, the Career Pathways Certificates are listed with their corresponding AAS degrees.) Descriptions of required and elective courses can be found in the Course Descriptions section of this catalog. Curriculum information for Lane programs is updated annually. The most

current information is available from the academic advising teams or the department offering a particular program. Work closely with the academic advising team assigned to these programs to plan your courses and stay on track toward completion. Email addresses for academic advising teams are listed in the following chart.

Depending upon the career-technical program in which they are enrolled, students can earn: an Associate of Applied Science degree, a Two-Year Certificate of Completion, a One-Year Certificate of Completion, a Less-Than-One-Year Certificate, a Career Pathways Certificate, or a combination of these.

Lane also offers noncredit opportunities for career training and continuing education. See Continuing Education.

# **Transfer Interest Areas**

The following chart contains a list of transfer interest areas (majors) to help students choose Lane courses that may transfer to another college or university. Not all majors are offered at every college or university, and there are many additional majors not listed here.

For some of these transfer areas, Lane may have specific articulation agreements and transfer guides with Oregon universities, but not for all. An articulation agreement is a signed agreement with a specific college or university that specifies a list of courses to be equivalent for a particular major or for general degree requirements.

Although the majority of these transfer areas lead to bachelor's degrees, some lead to associate's degrees at other community colleges and some require graduate-level education beyond a bachelor's degree (these are designated as "pre-professional").

Lane offers six transfer degrees: Associate of Arts Oregon Transfer (AAOT), Associate of Science: University of Oregon (AS:UO), Associate of Science: Oregon State University (AS:OSU), Associate of Science Oregon Transfer: Business (ASOT: BUS), Associate of Science Oregon Transfer: Computer Science (ASOT: CS), and the

Associate of Science (AS). Learn more about transfer degrees in the Degree and Certificate Overview.

Work closely with the academic advising team assigned to these transfer interest areas to plan your courses and develop the best transfer plan for your goals. Email addresses for academic advising teams are listed in the chart.

On the following chart, the notations in each column indicate the following:

• LTOY: Less-Than-One-Year Certificate of Completion

- CPC: Career Pathway Certificate of Completion
- 1-Yr: One-Year Certificate of Completion
- 2-Yr:Two-Year Certificate of Completion
- AAS: Associate of Applied Science Degree
- Transfer Interest Area: Work closely with assigned academic advisors to develop a transfer plan before transferring to another college or university

**Note:** Some programs listed below can be pursued as either a career-technical program or a transfer interest area. Work closely with the academic advising team to decide which fits your goals.

		ARTS A	AND CO	MMUNI	CATION	S	
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Advertising						~	ArtsPrograms@lanecc.edu
Architecture						~	ArtsPrograms@lanecc.edu
Arts Administration						~	ArtsPrograms@lanecc.edu
Art History						~	ArtsPrograms@lanecc.edu
Dance						~	ArtsPrograms@lanecc.edu
English and Literature						~	SocSci-LLCPrograms@ lanecc.edu
Fashion Design						~	ArtsPrograms@lanecc.edu
Film Studies						~	ArtsPrograms@lanecc.edu
Fine and Studio Arts						~	ArtsPrograms@lanecc.edu
Graphic Design					<b>V</b>	~	ArtsPrograms@lanecc.edu
Interior Design						~	ArtsPrograms@lanecc.edu
Journalism						~	ArtsPrograms@lanecc.edu
Language Studies						~	SocSci-LLCPrograms@ lanecc.edu
Linguistics						~	SocSci-LLCPrograms@ lanecc.edu
Media Studies and Communications						~	ArtsPrograms@lanecc.edu
MIDI and Audio Production		~					ArtsPrograms@lanecc.edu
MIDI Production		~					ArtsPrograms@lanecc.edu
Multimedia Design			~		<b>V</b>		ArtsPrograms@lanecc.edu
Music						~	ArtsPrograms@lanecc.edu
Music Technology						~	ArtsPrograms@lanecc.edu
MusicTechnology & Sound Engineering					~		ArtsPrograms@lanecc.edu
Product Design						~	ArtsPrograms@lanecc.edu
Public Relations						~	ArtsPrograms@lanecc.edu
Speech and Communication Studies						~	SocSci-LLCPrograms@ lanecc.edu
Theatre Arts and Acting						~	ArtsPrograms@lanecc.edu
Web Design			~				ArtsPrograms@lanecc.edu
Writing Studies						~	SocSci-LLCPrograms@ lanecc.edu

	BUS	SINESS A	AND OF	FICE PRO	OFESSI	ONALS	
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Accounting					<b>✓</b>	~	BusinessAdvising@lanecc.edu
Administrative Office Professional					~		BusinessAdvising@lanecc.edu
Business Administration						~	BusinessAdvising@lanecc.edu
Business Assistant			~				BusinessAdvising@lanecc.edu
Business Information Systems						~	BusinessAdvising@lanecc.edu
Business Management					V		BusinessAdvising@lanecc.edu
Customer Service		~					BusinessAdvising@lanecc.edu
Entrepreneurship						~	BusinessAdvising@lanecc.edu
Finance						~	BusinessAdvising@lanecc.edu
Legal Office Skills		~					BusinessAdvising@lanecc.edu
Management						~	BusinessAdvising@lanecc.edu
Marketing						~	BusinessAdvising@lanecc.edu
Office Software Specialist		~					BusinessAdvising@lanecc.edu
Operations Management						~	BusinessAdvising@lanecc.edu
Small Business Ownership		~					BusinessAdvising@lanecc.edu
Sports Business						~	BusinessAdvising@lanecc.edu

CO	MPUTER	SCIENC	CE AND	INFORM	IATION .	TECHNO	LOGY
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Computer Engineering						<b>✓</b>	CITPrograms@lanecc.edu
Computer Network Monitoring and Management		~					CITPrograms@lanecc.edu
Computer Network Operations					~		CITPrograms@lanecc.edu
Computer Network Security		~					CITPrograms@lanecc.edu
Computer Programming					~		CITPrograms@lanecc.edu
Computer Science						<b>✓</b>	CITPrograms@lanecc.edu
Computer Simulation and Game Development					~		CITPrograms@lanecc.edu
Computer Simulation and Game Develop- ment: Art Option					~		CITPrograms@lanecc.edu
Front End Web Development		V					CITPrograms@lanecc.edu
Database Specialist		~					CITPrograms@lanecc.edu
Mobile Application Development		~					CITPrograms@lanecc.edu

CULINARY, HOSPITALITY, AND TOURISM								
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact	
Baking and Pastry	~						CulinaryHospPrograms@ lanecc.edu	
Culinary Arts and Food Service Management					~		CulinaryHospPrograms@ lanecc.edu	
Hospitality Management						~	CulinaryHospPrograms@ lanecc.edu	
Hotel/Restaurant/Tour- ism Management					~	~	CulinaryHospPrograms@ lanecc.edu	
Meeting, Convention, and Special Events Manager		~					CulinaryHospPrograms@ lanecc.edu	

		HEALTH	, MEDIC	AL, AND	) FITNE	SS	
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Basic Health Care		V					HIMProgram@lanecc.edu
Chiropractic Medicine (pre-professional)						~	Sci-MathPrograms@ lanecc.edu
Communication Disor- ders and Sciences						~	SocSci-LLCPrograms@ lanecc.edu
Dental Assisting			~				DAProgram@lanecc.edu
Dental Hygiene					<b>✓</b>	~	DHProgram@lanecc.edu
Dentistry (pre-professional)						~	Sci-MathPrograms@ lanecc.edu
Emergency Medical Technician			~				EMTParamedicProgram@ lanecc.edu
Fitness and Lifestyle Specialist			~				EMSPrograms@lanecc.edu
Group Exercise Instructor		~					EMSPrograms@lanecc.edu
Health Care Administration						~	AlliedTransferPrograms@ lanecc.edu
Health Information Management			•		<b>✓</b>		HIMProgram@lanecc.edu
Human Physiology						~	Sci-MathPrograms@ lanecc.edu
Medical Assistant			~				MAProgram@lanecc.edu
Medical Coding		~					HIMProgram@lanecc.edu
Medical Imaging						~	AlliedTransferPrograms@ lanecc.edu
MedicalTechnology						~	Sci-MathPrograms@ lanecc.edu
Medicine (pre-professional)						~	Sci-MathPrograms@ lanecc.edu
Nursing					~	~	NursingProgram@ lanecc.edu
Nutrition						~	AlliedTransferPrograms@ lanecc.edu
Occupational Therapy (pre-professional)						~	Sci-MathPrograms@ lanecc.edu

Optometry (pre-professional)			~	Sci-MathPrograms@ lanecc.edu
Paramedicine		~		EMTParamedicProgram@ lanecc.edu
Pharmacy (pre-professional)			V	Sci-MathPrograms@ lanecc.edu
Physical Education			~	AlliedTransferPrograms@ lanecc.edu
Physical Therapist Assistant		~		PTAProgram@lanecc.edu
Physical Therapy (pre-professional)			~	Sci-MathPrograms@ lanecc.edu
Physician Assistant (pre-professional)			~	Sci-MathPrograms@ lanecc.edu
Practical Nursing	· ·			NursingProgram@ lanecc.edu
Public Health			V	AlliedTransferPrograms@ lanecc.edu
Veterinary Medicine (pre-professional)			~	Sci-MathPrograms@ lanecc.edu

# INDUSTRIAL TRADES, TECHNOLOGIES, TRANSPORTATION, APPRENTICESHIP

Apprenticeship Lane offers apprenticeship programs in the following industries, with options to earn a 1-year certificate or AAS degree: Carpenters, HVACTechnicians/Installers, Inside Electricians, Limited EnergyTechnicians, Limited Maintenance Electricians, Manufacturing Plant Electricians, Millwrights, Plumbers, Sheet Metal Workers

	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Aerial Photography		~					AdvTechPrograms@lanecc. edu
AutomotiveTechnology				~	<b>✓</b>		AdvTechPrograms@lanecc. edu
Aviation Maintenance Technician				~	~		AdvTechPrograms@lanecc. edu
Commercial Unmanned Aerial Systems					~		AdvTechPrograms@lanecc. edu
Construction Manage- ment						~	AdvTechPrograms@lanecc. edu
ConstructionTechnology			~		<b>~</b>		AdvTechPrograms@lanecc. edu
Construction Trades, General Apprenticeship			~		~		AdvTechPrograms@lanecc. edu
Diesel and Automotive Technology						~	AdvTechPrograms@lanecc. edu
DieselTechnology				~	~		AdvTechPrograms@lanecc. edu
Drafting			~		~		AdvTechPrograms@lanecc. edu
Electrician Apprentice- ship Technologies			~		~		AdvTechPrograms@lanecc. edu
Fabrication and Welding Technology			~		~		AdvTechPrograms@lanecc. edu
FlightTechnology					<b>v</b>		AdvTechPrograms@lanecc. edu
Industrial Mechanics and Maintenance Tech- nology			~		~		AdvTechPrograms@lanecc. edu

				1		
Limited Electrician Apprenticeship Technologies	~					rams@lanecc. du
Manufacturing Technician 1		~				rams@lanecc. du
Manufacturing Technician 2		~				rams@lanecc. du
Manufacturing Technology				~		rams@lanecc. du
Manufacturing Technology: Computer Numerical Control Technician Option				~	_	rams@lanecc. du
Shielded Metal Arc Welder		~				rams@lanecc. du
Trade Worker Apprenticeship Technologies (Construction)		~				rams@lanecc. du
Trade Worker Apprenticeship Technologies (Electrician)		V				rams@lanecc. du
Trade Worker Apprenticeship Technologies (Industrial Mechanics)		~				rams@lanecc. du
Unmanned Aerial Systems: Geographic Information Science		~				rams@lanecc. du
Welding Processes			~		_	rams@lanecc. du
Wire Drive Welder		~				rams@lanecc. du

SCIEN	ICE, NAT	ΓURAL F	RESOUR	CES, MA	ATH, AN	D ENGI	NEERING
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Animal Sciences						~	Sci-MathPrograms@lanecc. edu
Agriculture Sciences						~	Sci-MathPrograms@lanecc.
Biochemistry						~	Sci-MathPrograms@lanecc. edu
Biology						~	Sci-MathPrograms@lanecc. edu
Botany						~	Sci-MathPrograms@lanecc. edu
Chemistry						~	Sci-MathPrograms@lanecc. edu
Crop and Soil Science						~	Sci-MathPrograms@lanecc. edu
Earth, Ocean and Atmospheric Sciences						~	Sci-MathPrograms@lanecc. edu
Energy Management			~				Sci-MathPrograms@lanecc. edu

Energy Management Technician	~	Sci-MathPrograms@lanecc.
Energy Management Technician: Building Controls Technician Option	V	Sci-MathPrograms@lanecc. edu
Engineering		Sci-MathPrograms@lanecc.
Engineering Technologies		Sci-MathPrograms@lanecc.
Environmental Science		Sci-MathPrograms@lanecc.
Environmental Studies		Sci-MathPrograms@lanecc.
Fisheries and Wildlife Science		Sci-MathPrograms@lanecc.
Forestry		Sci-MathPrograms@lanecc.
Geology		Sci-MathPrograms@lanecc.
Horticulture		Sci-MathPrograms@lanecc.
Mathematics		Sci-MathPrograms@lanecc.
Microbiology		Sci-MathPrograms@lanecc.
Natural Resources		Sci-MathPrograms@lanecc.
Physics		Sci-MathPrograms@lanecc.
Science (General)		Sci-MathPrograms@lanecc.
Sustainability Coordinator	~	Sci-MathPrograms@lanecc.
Water Conservation Technician	~	Sci-MathPrograms@lanecc.
Zoology		Sci-MathPrograms@lanecc.

SOC	IAL SCI	ENCES,	SOCIAL	. SERVIC	CES, AN	D EDUC	ATION
	Certificate (LTOY)	Certificate CPC	Certificate 1-Yr	Certificate 2-Yr	AAS	Transfer interest area	Academic Advising Contact
Anthropology						•	SocSci-LLCPrograms@ lanecc.edu
Criminal Justice					~	~	SocSci-LLCPrograms@ lanecc.edu
Criminal Justice: Juvenile Corrections			~				SocSci-LLCPrograms@ lanecc.edu
Early Childhood Education			V		~	~	EducationAdvising@ lanecc.edu
Early Childhood Teacher Aide 1		~					EducationAdvising@ lanecc.edu
Economics						~	SocSci-LLCPrograms@ lanecc.edu
Education (Elementary)						~	EducationAdvising@ lanecc.edu

Education (Secondary)				~	EducationAdvising@ lanecc.edu
Ethnic Studies				V	SocSci-LLCPrograms@ lanecc.edu
Geographic Information Science	~				SocSci-LLCPrograms@ lanecc.edu
Geography				~	SocSci-LLCPrograms@ lanecc.edu
Guidance and Curriculum		·			EducationAdvising@ lanecc.edu
History				~	SocSci-LLCPrograms@ lanecc.edu
Human Development				~	SocSci-LLCPrograms@ lanecc.edu
Human Services			~	~	SocSci-LLCPrograms@ lanecc.edu
Infant and Toddler		~			EducationAdvising@ lanecc.edu
International Studies				~	SocSci-LLCPrograms@ lanecc.edu
Law (pre-professional)				~	SocSci-LLCPrograms@ lanecc.edu
Liberal Studies				~	SocSci-LLCPrograms@ lanecc.edu
Philosophy				~	SocSci-LLCPrograms@ lanecc.edu
Political Science				~	SocSci-LLCPrograms@ lanecc.edu
Psychology				~	SocSci-LLCPrograms@ lanecc.edu
Public Policy Administration				~	SocSci-LLCPrograms@ lanecc.edu
Religious Studies				~	SocSci-LLCPrograms@ lanecc.edu
Social Science (General)				~	SocSci-LLCPrograms@ lanecc.edu
Social Work and Coun- seling (pre-professional)				~	SocSci-LLCPrograms@ lanecc.edu
Sociology				V	SocSci-LLCPrograms@ lanecc.edu
Women's and Gender Studies				~	SocSci-LLCPrograms@ lanecc.edu

# **Transfer**

All Oregon community colleges and public universities in Oregon will offer students the opportunity to complete an OregonTransfer Module and the OTM designation will be posted on the transcript by the issuing institution upon request. Regionally accredited private colleges and universities within the state may also offer and issueTransfer Modules, which will be accepted at any Oregon public college or university.

Lane Community College offers courses for students who wish to pursue a four-year degree at a public or private college or university. A student who attends Lane can complete lower division general education requirements of the four-year colleges and begin work on the requirements for a specific major. The advantages of beginning college studies at Lane include small classes, lower costs, individual help from instructors, and an opportunity to improve writing, reading, math, and study skills.

General education and graduation requirements for specific majors vary among colleges and universities. Lane's Counseling and Advising Center, a complete resource for students who plan to transfer credit from Lane, has information on colleges and universities and the degree programs they offer. Counselors and academic advisors are available to help students with academic planning to ensure that course work is appropriate for programs at the four-year colleges they plan to attend. In addition, Counseling offers several transfer workshops each term to help students obtain up-to-date transfer information.

Planning is important because it helps students prepare for further studies in their programs. For instance, it may be important that a student begin mathematics studies as early as possible. For certain majors, students need to be attending the four-year school after the first year of study because specific major requirements are part of the second-year curriculum. Students who have taken advantage of Lane's advising opportunities have a smooth transfer process and continue on to complete their bachelor's degrees. In addition to information presented here, please be sure to consult with a counselor or academic advisor.

Students who have a major in mind, and also want to optimize the amount of coursework that will count toward it, should work closely with an academic advisor. General transfer information is available at ous.edu/stucoun/transfer/planning.

For students intending to become teachers, specific recommendations on structuring their AAOT degrees are given at: How to become an Oregon Teacher, ous.edu/stucoun/prospstu/teached.

**Second Language Requirement** for Admission For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admission requirement: two terms of a college-level second language with an average grade of C- or above, OR two years of the same high school-level second language with an average grade of C- or above, OR satisfactory performance on an approved second language proficiency. Demonstrated proficiency in American Sign Language meets this second language admission requirement.

**Direct Transfer**This option is for any student who has selected a transfer school, major and degree and who wishes to satisfy the specific requirements for that college or university. It is especially important that a student who chooses this option works closely with a counselor or academic advisor at Lane. Direct transfer does not qualify for federal financial aid.

Each student planning to transfer must learn the program requirements of the intended transfer school. Transfer requirements change often. Students should periodically contact Counseling for academic advising and to learn of any possible changes in a program.

**Dual Enrollment Program** Lane Community College and University of Oregon Students may take advantage of this agreement between the two institutions to take classes concurrently. Students must be admitted to both institutions and complete an additional application insert that is available at the Admissions Office at the UO and in the Counseling/Advising Center at Lane.

Dual Enrollment admission will allow students to use financial aid to take courses at both campuses. For students with 0-89 eligible credits, the financial aid award is administered by Lane; for students with 90 or more eligible credits, the financial aid award is administered by the University of Oregon.

**Degree Partnership Program (DPP)** Lane Community College and Oregon State University (OSU) students can be jointly admitted and enrolled at Lane and OSU. Students must be admitted to both institutions and complete an additional application for DPP available through OSU.

DPP will allow students to use financial aid to take courses at both campuses. Regardless of the number of credits, the financial aid is administered by OSU.

# **Degrees**

For information about degrees and limitation, see the Degree and Certificate Overview section.

# Policies and Procedures

# **Definitions**

Academic Requirements Review Committee The Academic Requirements Review Committee is commissioned to act in an advisory capacity to the Vice President for Academic and Student Affairs on the subject of academic rules and regulations for Lane Community College. Part of the responsibility of the committee is to ensure that a high academic standard is maintained. The Academic Requirements Review Committee will not accept petitions solely for the purpose of improving a Grade Point Average or other cosmetic reasons. Typically, the Academic Requirements Review Committee meets once during fall, winter and spring terms to review student petitions. However, meetings may be held as needed throughout the year. Examples of petitions that will be considered by the Academic Requirements Review Committee include:

• substitutions to requirements for AAOT, AS, or AGS degrees

waiver of requirements for AAS degrees and certificates
 Academic Requirements Review Committee petitions are available from Enrollment Services at *lanecc.edu/esfs/enrollment-services-forms* and are processed by completion specialists

Academic Standards and Probation A student who does not achieve satisfactory academic progress (SAP) according to administrative regulations will be placed on academic probation. Students on academic probation will be encouraged to meet with a counselor or advisor. Students who are on academic dismissal will need to seek the help of a counselor or advisor for readmission to the college. See Academic Standards and Alert System in the index.

**Attendance** Instructors will announce the attendance policy for each class. Students entering late who may have missed this announcement should contact the instructor for the attendance rules. Students are required to be in attendance during the first

week of class. Through Lane's No Show Drop Procedure, students must attend at least one full class session during the first week of the class and for online classes participate in at least one meaningful class activity. Failure to comply will result in the instructor notifying the academic department to process a "No Show Drop." College instructors may allow visits to one or two class sessions at their own discretion. For more than two visits by the same individual, the written approval of the appropriate department chair/director is required.

Students will be held accountable for attending each class in which they have enrolled. A grade or a withdrawal notation will be assigned for each class unless the student drops the course during the refund period.

**Class Schedule** The quarterly class schedule is available on the web at *lanecc.edu* about one week before registration begins. Registration usually begins the fourth week of the preceding term except fall term, which occurs the preceding spring term.

**Transfer Credits** Students are encouraged to use the Transfer Tool (lanecc.edu/esfs/general-information-transferring-credits) in order to see how credits from other institutions transfer to Lane. Transfer information is updated regularly; some transfer partners will have more extensive listings than others. Students may request an instructional department review of transfer course work. Please provide an unofficial copy of your transcript showing the grade received and a course syllabus from the academic year you completed the course to the instructional department.

**Miscellaneous Training and Credit** Credit also may be granted for military training as listed on the ACE/AARTS report or work completed at regionally accredited schools. Institutions that are not regionally accredited may be reviewed using the Credit-by-Assessment process.

**Cooperative Education** Cooperative education provides students the opportunity to learn on-the-job while earning college credit for the experience.

Students enrolled in co-op receive help locating part-time and full-time jobs and internships, guidance about career expectations and demands, instruction in resume preparation and job interviewing skills, and financial benefit from paid positions. Unless prior approval is received from the Cooperative Education Division Dean, students must enroll in a minimum of three credits of co-op per term.

**Course** A course is any class or subject (e.g., English Composition WR 121, Biology BI 101) for which a student may register.

**Course Numbers** Course numbers at Lane help students identify which courses count toward degrees and financial aid.

- Credit courses have a course ID that consists of a prefix of letters that identify the subject area followed by digits that identify the level of the course. In the example of WR 121, WR identifies the subject of writing and the 100-level number identifies it as a first year college-level course. All credit courses, including pre-college courses, may count toward the minimum course load for financial aid, provided the student meets financial aid criteria.
- Honors Courses span a range of disciplines and topics. Honors
  courses are designated with \_H following the course ID, e.g.
  Anth 102\_H. Any Lane student can enroll in an honors course
  or request the honors option for courses designated as honors
  option classes. Admission into the Lane Honors Program,
  however, requires a formal application. For more information,
  visit lanecc.edu/honors.
- Developmental credit courses have numbers below 100.
   Pre-college courses may be required as prerequisites to college-level courses or as part of a career technical certificate or applied degree. Developmental courses do not transfer to a four-year institution.

- College-level transfer credit courses count toward completion of a degree or certificate and are generally accepted for transfer by other institutions.
- Career technical credit courses count toward Associate of Applied Science degrees or certificates. With some limits, career technical courses may count as electives for transfer degrees. Career technical courses are not automatically accepted for transfer by other institutions. See the index Career Technical course prefixes.
- Noncredit courses have numbers in the format XART 5785. The "X" before the discipline in the prefix and the four-digit numbers identify the course as noncredit. Noncredit course offerings are listed and described each term in the class schedule. Under the state's definition, a noncredit course "does not offer college credit for completion and generally cannot be used as part of a credit based degree or certificate program. No assessment of learning generally takes place." Noncredit courses will not be counted for financial aid, and will not transfer to another institution.

**Credits** Credits are granted in recognition of work successfully completed in specific courses. The average load for a full-time student is 12-15 credits per quarter. Part-time students carry fewer than 12 credits per quarter.

**Credit Hour** Credit granted at Lane is in terms of quarter hours, since Lane is on a quarter-system calendar. Three quarter hours are equal to two semester hours.

One credit hour equates to approximately thirty hours of student involvement over the quarter. For lecture classes, this means ten hours of instruction and twenty hours of preparation on the student's part. For lab classes, thirty hours in the lab are required per credit.

**Classroom Hours** There are 12 classroom hours per lecture (credit) hour, 24 classroom hours per lecture/lab (credit) hour and 36 classroom hours per lab (credit) hour.

**Graduation Ceremony** There is one college graduation ceremony held each year in June. See the Academic Calendar on page 2. All graduates and prospective graduates for the year are invited to attend and bring their friends and relatives. Contact Student Life and Leadership Development for ceremony details.

Since grades have not yet been recorded at the time of graduation, it is not known at that time whether students have completed their programs. Students receive one empty binder during the graduation ceremony. The actual parchments are mailed after degree/certificates have been verified, in ten to twelve weeks. Students applying for degrees or certificates and completing their programs fall or winter terms will receive their degrees earlier in the year. There is a \$10 fee for duplicate or additional copies of diploma parchment.

The names of students in the graduation ceremony keepsake brochures reflect those who have earned a degree or certificate summer, fall and winter terms. Those who have been cleared to graduate spring term, pending successful completion of classes will have their names published, as well. Students participating in the ceremony graduating after spring term will have their names published in the next year's brochure.

Students who do not attend the graduation ceremony may pick up a binder at the Student Life and Leadership office anytime after the graduation ceremony.

myGrad Plan Lane students may view their progress toward degree and certification completion in myLane under the myGradPlan tab.

**Oregon Transfer Module** OTM designation will be posted in the student's transcript upon completion.

**Direct Transfer Evaluation** Direct transfer evaluation is done by Counseling when a student is in transit to another institution. Unofficial copies of transcripts may be used. Students must take copies of transcripts to Counseling for their review of transfer course work.

**Enrollment Services** Building 1, First Floor, 541.463.3100, (877) 520-5391, or TTY 541.463.4722

Processes online admissions, provides registration and billing assistance to all students.

Financial Aid Building 1, First Floor (Lobby), 541.463.3400

Financial Aid responds to all questions and issues regarding financial aid.

**Full-Time Student** A full-time student is anyone carrying 12 or more credit hours per term at Lane. The Social Security Administration defines full-time as 12 or more credit hours per term. Veterans are required to carry 12 credit hours per term to receive full benefits. In most cases, students receiving scholarships are required to complete 12 credit hours per term.

**Half-Time Student** A half-time student is anyone carrying between six and 11 credits hours per term at Lane. It is important to know that the definition of a half-time student varies with different institutions. Also, it is important to know that a majority of student loans require a student be registered for at least six credits or more per term.

**Honor Lists\*** Lane honors students who achieve high academic standards. Honor list requirements are:

- President's List:A student must complete a minimum of 12 graded (A,B,C,D,F) credit hours with a term GPA of 4.00.
- Vice President's List:A student must complete a minimum of 12 graded (A,B,C,D,F) hours with a term GPA of 3.55 through 3.99.

**Hybrid** A course combining traditional classroom activities with online learning so that time spent in the classroom is reduced but not eliminated. Hybrid courses have traditional class sessions, but some classroom hours are replaced by online interactions, assignments and projects. The ratio of classroom activities and online interactions in hybrid courses may vary, but the expectation is that each credit will require approximately 33 hours of student involvement during the quarter, including class time, homework, research projects, studying for exams, online work in hybrid courses, or other out-of-class activities. Hybrid sections of a course are coded with hyb in the term schedule and technical requirements for class participation are clearly explained in notes in the schedule.

**"L" Number (User ID)** Lane provides all students with a computer generated "user ID" for myLane. This number begins with an uppercase "L" followed by eight digits. The "L" number used with a PIN number will give students access to their student information in myLane, including registration, account payments, schedules, grades, and financial aid information. Refer to each term's class schedule for information about obtaining an "L" number.

**myLane** Lane Community College students use web registration on myLane. Using the web, students register for classes from any computer connected to the Internet. For information about myLane, visit Lane's website at *lanecc.edu*.

**Program** A Career Technical program is state approved curriculum arranged to provide career technical training leading toward an Associate of Applied Science degree or certificate of completion. The courses required for each program are listed under Programs in this catalog.

**Student Grades** Students access term grades through myLane. See the section on grades in each term's class schedule for more information on grade availability. An unofficial copy of student grades can be printed from myLane for advising purposes. Students can request an official transcript through myLane or in person from Enrollment Services for a \$5 transcript fee plus an additional \$5 rush service fee for each transcript requested.

**Term** A term, or quarter, is approximately an eleven-week period of study. The academic year is summer term through the end of

spring term with fall, winter and spring terms being the primary terms. Summer term begins the third week of June and lasts until the second week of September and consists of several sessions. Fall term begins the last week of September and lasts until mid-December. Winter term begins around the second week of January and lasts until approximately the middle of March. Spring term begins the last week of March and lasts until the middle of June. (See the academic calendar in the front of the catalog.)

# **Procedures**

Lane publishes regulations in addition to those in this catalog (class schedule, course syllabus, etc.). Students are responsible for knowing these regulations.

Schedule Changes Students may change their schedule after their original registration by using myLane. The deadline to make schedule changes (adds/drops, pass/nopass, audit options) to full-term classes is midnight Friday of the eighth week of the term. A "full term" is 11 to 12 weeks. Exceptions to this are classes that begin and end at times other than the first and last week of the term. Contact Enrollment Services for deadline information for classes shorter than 11 weeks. Students who drop classes after the first week of the term (refund period) will have a withdrawal notation recorded for the class.

Students registered in variable credit courses may add or drop credits through midnight Friday of the last week of classes (before finals week begins).

**Dropping Classes** When a student does not attend classes, it is the student's responsibility to drop the classes using myLane. To drop from classes, use myLane by midnight Friday of the eighth week of a full-term class.

**No Show Drop** Students will be administratively withdrawn for **nonattendance** or failure to meet prerequisites. Instructors have the right to administratively withdraw/drop students who do not attend at least one class session of all class meetings the first week of the term. This period coincides with the refund period. Significant changes to the No Show Drop went into effect fall 2014. Refer to lanecc.edu/esfs/administrative-withdrawals for complete details.

Do not assume that an instructor will administratively drop you from your class. Students are still responsible for dropping classes they do not plan to attend by using myLane. To receive a refund of paid tuition or a cancellation of tuition not yet paid, students must complete the drop procedure within the refund period. If the class is not dropped during the refund period, the student is responsible for paying the tuition and fees even if he or she did not attend the class. Students who plan to remain enrolled but have attendance difficulties during the first part of the course should notify the instructor to avoid administrative withdrawal.

**Prerequisites Not Met** Students enrolled in classes for which they do not have prerequisite skills, test scores, or courses may be administratively withdrawn prior to the start of the term or after grades have been submitted for the previous term.

#### **Social Security Number**

**Generally, social security number disclosure is voluntary.** The college no longer uses social security numbers as a student identification number. Refer to Enrollment Services for further information.

Lane provides all students with a nine digit "L" number as user ID for myLane. This number begins with an uppercase L followed by eight computer generated numbers. A student's "L" number with a PIN (personal ID number) will be used for myLane functions.

<sup>\*</sup> Notated on official transcripts

Students who apply for financial aid must supply their social security number on the Free Application for Federal Student Aid (FAFSA). For web access on myLane, financial aid students will be able to use their "L" number and PIN.

#### **Disclosure Statement**

Required for use in collecting social security numbers See OAR 581-41-460(2)

Department of Community Colleges and Workforce Development Revised, January 2001

Providing your social security number is voluntary. If you provide it, the college will use your social security number for keeping records, doing research, reporting, extending credit, and collecting debts. The college will not use your number to make any decision directly affecting you or any other person. Your social security number will not be given to the general public. If you choose not to provide your social security number, you will not be denied any rights as a student. Please refer to the Disclosure Statement listed under the social security heading in your class schedule which describes how your number will be used. Providing your social security number means that you consent to the use of your number in the manner described. You must provide and accurate Social Security number to be eligible for a 1098-T.

On the back of the same form, or attached to it, or in the schedule of classes, the following statement shall appear:

OAR 589-004-0400 authorizes Lane Community College to ask you to provide your social security number. The number will be used by the college for reporting, research and record keeping. Your number also will be provided by the college to the Oregon Community College Unified Reporting System (OCCURS), which is a group made up of all community colleges in Oregon, the State Department of Community Colleges and Workforce Development, and the Oregon Community College Association. OCCURS gathers information about students and programs to meet state and federal reporting requirements. It also helps colleges plan, research and develop programs. This information helps the college support the progress of students and their success in the workplace and other education programs. OCCURS and the college may provide your social security number to the following agencies or match it with records from the following systems:

- state and private universities, colleges and vocational schools, to find out how many community college students go on with their education and to find out whether community college courses are a good basis for further education
- Oregon Employment Department, which gathers information, including employment and earnings, to help state and local agencies plan education and training services to help Oregon citizens get the best jobs available
- Oregon Department of Education, to provide reports to local, state and federal governments used to learn about education, training and job market trends for planning, research and program improvement
- Oregon Department of Revenue and Collection agencies only for purposes of processing debts and only if credit is extended to the student by the college

State and federal law protects the privacy of student records. Social security numbers will be used for the purposes listed above.

**Student Records/Enrollment Services** Student Records maintains and processes academic records for Lane. This includes but is not limited to online applications for admission, transfer institution transcripts, course substitution forms, grade change forms, student identification documentation, evaluations, and degree/certificate applications. Progress Review petitions are processed through Enrollment Services along with registration and graduation records, refund petitions, and probation/dismissal documentation.

Except for the Lane transcript record and current registration, most of this material is archived digitally for all Lane students.

Lane transcripts are available on myLane for current students. Most records will be kept indefinitely. If you are a former student and do not know your identification number, you may order your transcripts through the National Student Clearinghouse at *studentclearinghouse.org*.

Release of Records In accord with Federal Law (The Family Education Rights and Privacy Act, Public Law 93-380) "FERPA", students may see and review all official records, files, and data pertaining to themselves with these exceptions: confidential financial information reported by the parent/guardian unless the parent/guardian has explicitly granted permission for the student's review; and medical, psychiatric, or similar records used for treatment purposes. Access to a student's own records will be provided as early as possible, but no longer than 45 days from the time of the student's official request.

A student may challenge the content of a record that she or he considers inaccurate, misleading or in violation of the student's privacy or other rights. If such a challenge is not resolved with the custodian of the records, the student has the right to an appeal. Further information is available in the Enrollment Services/Student Records Office.

Release of Records/Student Information Per a federal privacy law, called the Family Educational Rights and Privacy Act of 1974 (FERPA), the college has identified "directory" information that can be released without the student's written permission. The following information is considered "directory information" and may be released without written permission from a student:

- Student name(s)
- Dates of attendance (not daily)
- Degree program/major field of study
- Honors
- Enrollment status (half-time/full-time only)
- Date of graduation
- · Participation in official activities/sports
- Most recent previous school attended
- · Weight/height of athletic team members

If you do not want this "directory" information released, you must access the student information release links within myLane. Completing this process will place a confidential block indicator on your records at lane. This block will:

- When you call Lane, the person answering will say "There is no information available on that person"
- If you come for service in person, you will be asked for a photo identification to verify your identity
- Your name will not appear on honor roll listings or in the graduation booklets
- When employer or other individuals use the National Clearinghouse service to verify attendance or degrees, your information will not be available

If you would like some individuals to access limited information such as your account information, you may also use the Student Information Release process within myLane to provide Lane with a password that you can share with others. Individuals with these passwords must offer these when contacing Enrollment Services and the password must match exactly what you have provided. We can not assist individuals without this password or without having the exact amount owed given.

Information necessary to determine student eligibility for athletic participation and for financial aid granted by state or federal agencies which provide a student's tuition will be released for those purposes only. This may include term schedules, grades, credit hours of enrollment, and past academic records. A written request from the aid-granting agency is required.

**Transcript Records** Official transcripts may be ordered using myLane at *lanecc.edu*, or through the National Student Clearinghouse at studentclearinghouse.org. The fee is \$5 per transcript through myLane and \$7.25 through the National Student Clearinghouse. Official transcripts can also be requested via mail by providing name, student identification number, period of enrollment, where the transcript is to be sent, student's signature and payment of the \$5 fee per transcript ordered.

No other person may receive a copy of the student's transcript or undertake to pick it up for the student unless the student authorizes release of records in writing. Transcripts mailed to other colleges may be ordered via myLane, by mail or in person at Enrollment Services.

The college reserves the right to withhold official transcripts from students who owe monies to Lane. If an official transcript is requested by a student who owes monies, the student is notified that there is a balance owing and given information on how to resolve the issue.

Transfer Transcripts If a student has taken course work at another college that applies to a program at Lane, the student must see that Enrollment Services receives an official (sealed) transcript of that work. Only official transcripts from regionally accredited U.S. institutions and international institutions with an evaluation agency will be considered. Once received, transcripts become the property of Enrollment Services. Lane cannot provide anyone, including the student, a copy of a transcript from another school. Students should order a copy from their transfer institution for their personal use. Students wishing to have transfer work evaluated must submit the online transcript evaluation form at lanecc.edu/esfs/request-transcript-evaluation.

Courses from other schools and colleges are never part of a student's Lane Community College transcript. Transfer institutions may be noted on the Lane transcript. Such records are not required for admission to Lane, but may be required for financial aid, veterans' reporting, admission to a special program, or meeting a course prerequisite.

**Grades** At the end of each term, grades are recorded and made available to students using myLane. Unofficial advising transcripts also may be printed from myLane.

**Grade Changes** If an error has been made in recording or reporting grades, the instructor may initiate a grade change. If a student believes an error occurred, the student should contact the instructor. If the number of credits is increased or a course is added, the additional tuition, fees and any other charges will be charged to the student's account and the student will be billed at current tuition rates. Late add fees may be applied. Refer to class the schedule for more information. If the student owes money to Lane, the added grade will not be processed until the balance is paid in full.

**Grades and Notations** The following grades and notations are recorded on transcripts and grade records at Lane:

Grade	Points	Definition
Α	4.0	Excellent Performance
В	3.0	Good Performance
С	2.0	Satisfactory Performance
D	1.0	Less than Satisfactory Performance
F	0.0	Unsatisfactory Performance
+ or -		Plus or minus 0.30 points, effective July 1, 1999
Р	0.0	Pass (equal to A- thru C-)
NP		No Pass (D and below)
1		Incomplete
U		Audit
W		Withdrawal (Prior to 1991)
Υ		No Basis for Grade (Prior to 1997)
NC**		Not Completed (no credit)
XN		Enrolled
EN		Enrolled

CM	Completed				
NCM	Not Completed				
XCG	Conversion Grade				
Immediately following the grade:					

- @ Credit By Assessment or CEU By Assessment
- Academic Renewal (not calculated in cumulative GPA)
- \* Withdrawal after Refund Deadline (no grade recorded)
  - Repeated Course Points earned not included in the cumulative grade point average (GPA)
  - Credit by Exam or CEU By Exam

Please Note: @ Credit by Assessment and ~ Credit by Exam are limited to 25 percent of a degree or certificate. Students may do more than 25 percent, but only 25 percent may be used toward requirements.

**Grade Point Average** (GPA):Included in GPA computation are grades of A+, A, A-, B+, B, B-, C+, C, C-, D+, D, D-, and F. Grades of P are included in earned credit, but not in GPA credit. I, NC,Y, U, \*, EN, and W are considered administrative marks rather than grades and have no effect on a student's earned credit or GPA credit. The grades included in the computation have the following weights:

A+	= 4.30	B+	= 3.30	C+	= 2.30	D+	= 1.30
Α	= 4.00	В	= 3.00	С	= 2.00	D	= 1.00
A-	= 3.70	B-	= 2.70	C-	= 1.70	D-	= 0.70
						F	= 0.00

The total points for a class are calculated by multiplying the points for the grade times the credits for the class. The GPA is then computed by adding all GPA credits, adding all points, and dividing the total points by the total credits. Example:

	credits	grade	points
BA 226-Business Law	3	Α	12
PE 170-BeginningTennis	1	В	3
EL 115-Effective Learning	3*	Р	0*
FE 207 Coop Ed	2	C+	4.60
TOTAL GPA Credit	6	TOTAL POINTS	19.60

<sup>\*</sup> Points are not included in calculation, because of P grade. Total credits earned in this example are nine.

 $19.60 \div 6 = 3.264$  GPA

Term GPAs are calculated using grade points earned only during that term. Cumulative GPA is calculated using all grade points from all terms.

**Plus (+) and Minus (-) grades** Issuing a "+" or "-" is at the instructor's discretion. Students with questions regarding an instructor's grading policy, must contact the instructor.

**NC** (Credit attempted, not earned) Issuing a "NC" is at the instructor's discretion when the instructor believes the student has not participated enough in the class to earn a grade. It is not meant to and should not be used to replace an "F" grade or an "I." NC processes are under review and subject to change. Review current status at lanecc.edu/copps/documents/grades-definition.

Academic Progress Standards and Alert System The college has a responsibility to help credit students achieve their educational goals. To meet this responsibility, the college tracks students' progress and provides assistance to students who, for whatever reason, do not meet the college's minimum Academic Progress Standards (APS). These standards are different from the Financial Aid Satisfactory Academic Progress Standards (SAP) lanecc.edu/finaid/satisfactory-academic-progress and apply to all students.

**Academic Progress Standards (APS)** Academic Progress Standards are based on academic performance for each term. Students are required to attain a minimum GPA of 2.0 and complete at least 67% of attempted credits each term.

**Special Note:** Attempted credits include all credits a student is enrolled in at the beginning of the second week of the term, after

<sup>\*\*</sup> Note: The NC grade is scheduled for possible elimination. Review current status at lanecc.edu/copps/documents/grades-definition.

the Refund Deadline. Refund deadlines for summer terms can vary. Check the Refund Schedule *lanecc.edu/esfs/refund-drop-schedule-change-deadline-information* for details.

Term	GPA	Completion Rate	Academic Standing	Intervention
1st	Less than 2.0	Less than 67%	Alert 1	Requires completion of Keys to Success Workshop (online) accessed on your Moodle page
2nd	Less than 2.0	Less than 67%	Alert 2	Requires Keys to Success Workshop (in-person) lanecc.edu/ccc/alert-2-keys- success-person-workshop
3rd	Less than 2.0	Less than 67%	Alert 3	Requires enrollment in College Success: Back On Course (1 credit) lanecc.edu/ccc/alert-3- back-course
4th	Less than 2.0	Less than 67%	Dismissal	Requires out for two terms a completed petition to return lanecc.edu/ccc/alert- 4-academic-dismissal

**Petitions to return to Lane** Students who do not meet the Academic Progress Standards for a fourth term will be dismissed from college credit classes and programs for a minimum of two academic terms. To be reinstated, students will submit a completed Petition to Return to Lane available at the Alert 4 Information Session and on the Alert 4/Dismissal Moodle site. Petitions must be turned in a minimum of six weeks prior to the beginning of the academic term the student wants to return.

Pass/No Pass When a P/NP option has been selected, the instructor still grades on the regular ABCDF system. If the instructor records an A+ or A, the student will receive the A+ or A grade and it will be calculated in the Grade Point Average (GPA). If the grade is A-, B+, B, B- or C+, C, C-, the student will receive a grade of P. If the grade is D+, D, D- or F, the student will receive a grade of NP. Pass and No Pass grades are not calculated in the student's GPA. A P/NP option must be chosen in myLane by the end of the eighth week of the term for full-term classes. Information on limitations is listed with the individual degree and certificate outlines.

**Audit** The audit option allows the student the right to sit in the class, but the instructor has no obligation to grade or record the student's work. The only grade or mark granted is U (audit). An audit option may be requested during registration and through the eighth week of the term for full-term classes. Audit rates are the same as the tuition rates. The audit counts as an attempted credit.

Request for Incomplete A student and instructor may fill out a Request for Incomplete form when a student has completed satisfactorily 75 percent or more of the work in a course, but is unable to finish the remaining required, scheduled work due to circumstances beyond the control of the student (serious illness, death in family, and natural disaster are common examples). Some departments may establish a work completed guideline other than 75 percent. An incomplete is not used to avoid a failing grade in a course, or when the remaining scheduled work is not time convenient for the student. A Request for Incomplete is a contract between the student and the instructor which indicates the work to be finished, the time limit within which the work must be completed, and the grade earned if the work is not completed. A student does not need to reregister to finish course work the next term. Sitting in on a class without registering is a violation of college policy. General college policy limits the time for finishing an Incomplete to one year, but the instructor may require a shorter time period. An Incomplete that is over one year old must be approved by the Vice President before it can be changed to a grade with the exception of the grade earned if the work is not completed. When the work has been completed and given to the instructor for evaluation, it is the instructor's responsibility to see that a grade change form is sent to Student Records, changing the student's record from Incomplete to the grade earned. If no grade change form is received from the instructor, the grade remains an Incomplete or the instructor may assign a grade if the work is not completed. If the instructor with whom the student completed the Request for Incomplete form is no longer available, the department may assign someone else to evaluate the work and complete the change of grade.

Petition to Absolve for Repeated Courses A student can have the grade points removed from the cumulative grade point average if the first grade was B, B-, C+, C, C-, D+, D, D- or F and the class has been repeated at Lane. A course can be retaken only once for this purpose. If a course is retaken more than once, only the oldest course credits will be removed from the grade point average under this policy. The repeated course credits must all be taken in one term at Lane, be taken for a letter grade, and must be equal to or greater than the number of credits completed in the original course.

Upon completion of a course, a student can exercise this option by filling out a Request to Absolve Repeated Courses from the Cumulative Grade Point Average form. The form is available in myLane under the Enrollment tab. The Student Records Office will mark the student's record, noting the repeated course, and remove the credits and grade points of the original course from the cumulative grade point average. The original course and grade will remain on the student's transcript. This cannot be reversed once it is applied to the student's record.

NOTE: Many institutions will not recognize Petition to Absolve process when calculating a GPA for admission purposes.

# **Student Policies and Complaint Procedures**

Lane Community College policies and procedures are subject to change without prior notice.

# **Board Policies Directly Affecting Lane Students**

#### Student Services-Global Directions BP720

With respect to interactions with learners, the president shall assure that procedures and decisions are safe, respectful and confidential.

Accordingly, the president shall assure that:

- The institution represents itself accurately and consistently to prospective students through its catalogs, publications and official statements.
- 2. Admissions information forms avoid eliciting information for which there is no clear necessity.
- Methods of collecting, reviewing, transmitting, or storing information about learners will be protected against improper access in compliance with federal and state regulations.
- Facilities provide a reasonable level of privacy, both visual and aural.
- 5. The college environment is welcoming and accepting to all learners.
- 6. Learners have a clear understanding of what may be expected from the services offered.
- Learners are informed of their rights and responsibilities and are provided a process to address grievances.
- There is adequate provision for the safety and security of learners.

# **Harassment Policy BP630**

Lane has a zero tolerance policy regarding all forms of harassment. Any proven harassment will result in immediate and appropriate action to stop the harassment and prevent its recurrence, including employee discipline consistent with collective bargaining agreements, or student sanctions. Remedial action will be designed to stop the harassing behavior. Any remedial action will be in keeping with the educational mission of the college. Whether or not the alleged harassing behavior is sufficiently severe or pervasive to be judged a violation of this policy, the college may take action to address a complainant's concerns and to ensure that Lane, as a workplace and as an academic institution, maintains a respectful environment. All forms of harassment, including student- to-student harassment, are covered by Lane's harassment policies. Incidents of harassment may bring about sanctions up to and including termination of employment or expulsion from the college.

#### **Sexual Harassment**

Sexual discrimination in the form of sexual harassment is prohibited. Sexual harassment is defined as unwanted sexual advances, requests for sexual favors, and/or other verbal, written, visual, or physical sexual conduct that makes the terms or conditions of employment contingent on the acceptance of unwanted sexual advances, that negatively affects employment or educational opportunities, or that creates an intimidating, hostile, or offensive environment for one of the parties.

#### Harassment Based on Race/Ethnicity or National Origin

Harassment based on race, ethnicity or national origin is defined as unwelcome verbal, written or physical conduct based on a person's actual or perceived race, ethnicity or national origin that unreasonably interferes with an individual's work or academic performance, adversely affects the targeted individual's or others' work or learning opportunities, or creates an intimidating, hostile or offensive environment.

#### **Possession of Firearms BP410**

No person, including students, employees, college patrons and vendors may bring, possess, conceal, brandish, use or be in possession of a firearm, destructive device, or other dangerous weapons as defined by law, or give the appearance of being in possession on college-owned or controlled property or at activities under the jurisdiction or sponsorship of the college, except as provided by ORS 166.370 and federal law. As authorized by ORS 659A.001(4), the exceptions provided by state and federal law do not apply to Lane employees while engaged in work activities. Permitted exceptions include use in conjunction with approved instructional demonstration.

## **Use of Intoxicants and Controlled Substances BP420**

No person may bring onto college property or into any collegeowned facility or to any college-sponsored class or activity any intoxicating beverage, controlled substances, volatile inhalants, for the purpose of mind or mood alteration, except in the situations specified in this policy. No person may appear on college property or in any college-owned facility or in any college-sponsored class or activity under the influence of any of the above mentioned substances.

Exceptions to this policy are as follows:

- 1. Alcohol may be used/served
  - a. for cooking and/or instructional purposes in food preparation labs or classes related to the science and/or service of alcohol; or
  - at college-sponsored activities using procedures specified in administrative rules; or
  - c. at college activities catered by legally licensed and insured businesses or agencies, using procedures specified in administrative rules (see lanecc.edu/copps/documents/ alcoholic-beverages-campus); or
  - d. under no circumstances shall alcohol be served at collegesponsored activities to underage minors as defined by state law.
- 2. With appropriate documentation, medical marijuana,

- prescription opiates, or other psychoactive medications, may be used as legally prescribed by a licensed practitioner. However, according to statute, marijuana may not be ingested on campus even with a medical marijuana card.
- 3. Glue and thinners may be used in class-related lab environments and in facilities construction and maintenance.

## **Admissions for Credit Students PB705**

Lane Community College accepts all students who are 18 or over or have a high school diploma or GED. Students who are under 18 and have not graduated may still attend if they follow the guidelines for Under 18 Students. Under no circumstances shall an applicant who is otherwise qualified be denied admission or given a preference for admission to the college based on an individual's race, color, national origin, sex, age, marital status, familial relationship, sexual orientation, gender identity, pregnancy, mental or physical disability, religion, expunged record, veterans' status or association with any member of these protected groups.

#### **Tuition BP725**

In order to maintain a constant tuition rate relative to inflation, each December, the board will adjust the per credit tuition rate to reflect changes in an appropriate index for two-year public colleges since the last tuition adjustment. The rate will be rounded to the nearest half-dollar and become effective the following academic year (summer term).

For adjustments:

Periodically and as needed, the board will review Lane's tuition rates to ensure: a) that tuition revenues are appropriate for the needs of the district and, b) that Lane's tuition is comparable with other Oregon community colleges that are similar to Lane in terms of student FTE and instructional programs. Prior to approval of the tuition increase, the board will review the index options, affordability and access for students, and the revenue requirements of the college.

#### **Student Complaint Procedures and Accommodations**

Lane Community College is committed to providing a respectful working and learning environment that is free from discrimination, harassment and retaliation. Lane Community College is committed to equal opportunity, affirmative action, cultural diversity and compliance with the Americans with Disabilities Act. The college prohibits discrimination in admissions, employment and access to college programs, activities and services. Sexual harassment and other conduct which creates a hostile, intimidating or offensive environment is prohibited by the college.

For assistance, support or help in resolving problems or information about complaint procedures, please contact the following people:

#### Harassment

- Coordinator, Women's Center, Bldg. 1/Rm. 202, 541.463.5353
- Barbara Delansky, Student Life and Leadership, Bldg. 1/ Rm. 206, 541.463.5337
- Mark Harris, Counseling, Bldg. 1/Rm. 226, 541.463.5178
- Jim Garcia\*, Multicultural Center, Bldg. 1/Rm. 201, 541.463.5144
- Jerry deLeon\*, Counseling, Bldg. 1/Rm. 103A, 541.463.5870
- \* bilingual in Spanish

# **Employment Discrimination**

 Dennis Carr, Human Resources, Bldg. 3/Rm. 114, 541.463.5585

# **Disability Issues**

 Student disability accommodations, assistance and disability related problems: Center for Accessible Resources, Building 1, Room 218, 541.463.5059, TTY Relay: 711

- Problems with access to Lane's facilities: Todd Smith, Interim Director, Facilities Management and Planning, Building 7, Room 204B, 541.463.5566
- Employee workplace accommodations: Sharon Daniel, Human Resources, Building 3, Room 114, 541.463.5589
- Disability related complaints/Section 504 Coordinators: Center for Accessible Resources, Building 1, Room 218, 541.463.3010, TTY: 711 (student and program issues); Dennis Carr, Human Resources, Building 3, Room 114, 541.463.5585 (staff and employment issues)
- Student rights, responsibilities and conduct: Kerry Levett, Executive Dean of Student Affairs, ASA, second floor, Administration Building, 541.463.5732, Barbara Delansky, Student Life and Leadership, Building 1, Room 206, 541.463.5337.
- For any other issues, including those covered by board of education policy, use the student complaint process. For copies of the complete student code and complaint process and for more information, visit or call the Office of Academic and Student Affairs, second floor, Administration Building, main campus, phone 541.463.5732.

### **Substance Abuse Statement**

In keeping with the intent of U.S. Public Law 101-226, Section 22: Drug-Free Schools and Campuses, it is Lane's obligation to inform you of the health risks associated with use of various illicit drugs and abuse of alcohol. Any substance used through needle-sharing increases risk of AIDS and Hepatitis B.

#### Type of Drug and Possible Health Risks

**Stimulants** Speed up action of central nervous system. (A.) Amphetamines ("speed," "crank," "uppers")heart problems; paranoia; death. Affects fetus. (B.) Cocaine ("coke," "crack")confusion; physical tolerance; dependency; damage to lungs and nasal membranes; heart problems; paranoia; convulsions; death. Affects fetus.

**Depressants** Relax the central nervous system. (A.) Barbiturates ("downers"). (B.)Tranquilizers (valium, librium). (C.) Methaqualone ("ludes")confusion; loss of coordination; tolerance; dependency; seizures, coma; death. In combination with alcohol, especially dangerous.

**Cannabis** Alters perception and mood. (A.) Marijuana ("grass," "pot"). (B.) Hashish lung damage; dependence; tolerance; confusion, loss of coordination; decreased sex drive.

**Hallucinogens** Distort reality. (A.) Lysergic Acid Diethlamide ("LSD," "Acid"), Mescaline, MDA, MDMA, DMT, STP, Psilocybinhallucinations; panic; tolerance; "flashbacks"; possible birth defects in user's children. (B.) Phencyclidine ("PCP," "Angel Dust") depression; irrational behavior; confusion; convulsions; hallucinations; coma; death.

**Narcotics** Lowers pain perception. (A.) Heroin. (B.) Morphine. (C.) Codeine. (D.) Opiumlethargy; apathy; loss of judgment and self-control; tolerance; dependence; convulsions; coma; death.

**Deliriants** Mental confusion. (A.) Aerosol products (B.) Lighter Fluid (C.) PaintThinner and other Inhalantsdamage to brain, lungs; convulsions; death.

**Alcohol** A sedative drugtolerance; dependence; depression; coma; death. Alcohol abuse is linked to cancer, heart and liver damage. Fetal alcohol syndrome.

# **School Policy**

For Student Code of Conduct, including drug and alcohol violations and sanctions, see code above.

#### **State Laws**

The trend in the State of Oregon is toward stiffer drug penalties. The following describes the penalties for POSSESSION of key drugs:

 Schedule I Class B Felony (heroin, LSD, marijuana, others)Max. prison time is 10 years. Max. fine is \$100,000.

- Schedule II Class C Felony (amphetamine, cocaine, morphine)
   Max. prison time is 5 years. Max. fine is \$100,000.
- Schedule III Class A Misdemeanor (other stimulants, some depressants)Max. prison time is 1 year. Max. fine is \$2,500.
- Schedule IV Class C Misdemeanor (valium-type tranquilizers, others)Max. prison time is 30 days. Max. fine is \$500.
- Schedule V Violation (dilute mixtures, compounds with small amounts of controlled drugs)No max. prison time. Max. fine is \$1,000.

Delivery of less than 5 grams or possession of less than one ounce of Marijuana is a violation. Oregon HB 2479 established mandatory evaluation, education and treatment services for those under 18 years old. If services are successfully completed, the charge will be dropped. Oregon also has strong new laws allowing cars, boats, etc., that transport illegal drugs to be seized and forfeited.

Alcohol is an illegal drug for those under 21 years of age. For drivers under 18, ANY detectable amount of alcohol (above .00 BAC) is grounds for losing their license until they are 18.

There are many more laws pertaining to alcohol and other drugs. This is a sample to demonstrate that the penalties for illegal drug involvement are real, and criminal conviction may bar a student from his or her chosen career path.

#### Where to Get Help

For help or more information, contact the Substance Abuse Prevention Office, Building 1, Room 226, 541.463.5178. Counselors are available to any student who may be experiencing alcohol/drug problems. Contact or referral can also be made through Counseling or the Health Clinic. Besides offering support, assessment and referral, these counselors have information on community treatment programs, support groups, private counselors as well as information regarding Lane's on-campus 12-step meetings (A.A., N.A., ALANON, etc.). Students also can call "INFO LINE" at 541 342-4357 for referral suggestions. Lane offers classes on addiction and related topics. See class schedule index under "drugs." In addition, the Substance Abuse Prevention program conducts weekly support groups, classes and seminars to interested students.

# **Student Rights and Responsibilities and Student Code**

# **Student Rights and Responsibilities**

#### I. Freedom of Access to Higher Education

Lane Community College is open to all persons who are qualified according to its admission and good standing requirements.

Anyone age 18 or older may enroll. No high school diploma is necessary. Individuals younger than 18 may attend if they complete and submit the "Under 18 Students Parent/Guardian form" or if they have already received their high school diploma. Community education classes generally are open to anyone 16 or older.

Under no circumstances will an applicant be denied admission to the College because of age; sex; race; color; religion; physical or mental disability; national origin; marital status; sexual orientation; gender identity; pregnancy; veteran's status; familial relationship; expunged juvenile record; association with anyone of a particular race, color, sex, national origin; nor will preference for admission be based on economic status.

#### A. Financial Aid

A student applying for or receiving financial aid has the right to know:

- The financial aid assistance available
- The procedures and deadlines for applying

- · The cost of attendance
- The criteria used in awarding aid and how financial need is determined
- The terms and conditions of any aid accepted
- · How and when aid will be disbursed
- · The College's refund policy
- · The repayment consequences of withdrawing from the College
- How satisfactory academic progress is evaluated and what happens if it is not maintained
- How to appeal decisions concerning aid

A student applying for or receiving financial aid has the responsibility to:

- · Complete applications accurately and on time
- · Read and follow instructions when submitting information
- Read and retain copies of all signed forms
- Choose an academic program and understand the requirements for such program
- Comply with the terms of any Federal Work Study job accepted
- Maintain satisfactory academic progress

For more information about financial aid, go to lanecc.edu/finaid

#### **B.** Admissions

The College will be open within budgetary limitations to all applicants who are qualified according to its admission requirements. Students who enroll for high school or alternative school credit must comply with the Oregon Compulsory School Attendance Laws. While previous academic status at other institutions will not constitute criteria for denial of admission, not every program is open to every student. Priority to enter classes of limited enrollment will be given to in district students who have finished high school and/or are at least 18 years of age. However, the College will assist each student to develop a program of study which meets his or her individual needs and is consistent with feasible College operation. The College is committed to equality of opportunity, affirmative action, and nondiscrimination in admissions. No applicant shall be denied admission to the college because of protected class status.

#### C. Financial Responsibility

It is the student's responsibility to pay monies owed the college in a timely manner. The College's policies regarding payment of tuition and fees are described in the term schedule as well as the College catalog.

# **II. Evaluation Criteria**

#### A. Academic

Lane Community College instructors will encourage free discussion, inquiry and expression where relevant and appropriate to the educational objectives of the course. It is the instructor's responsibility to publish educational objectives and to make available to each class the criteria to be used in evaluating student success in that class. It is the responsibility of the students to become aware of these objectives and criteria as published and set forth by the College. Student opinions and behavior outside of class will not be the basis for determining class grades unless such evaluation is specifically related to course requirements.

#### **B. Protection of Freedom of Expression**

Students are responsible for learning the substance of any course of study for which they are enrolled. However, students are free to state any reasoned exception to data or views offered in any course of study and to reserve judgment about matters of opinion.

#### C. Protection Against Improper Academic Evaluation

Students have protection through orderly procedures against unfair academic evaluation. Students' grades will be based solely on academic achievement, unless otherwise specified by the professor in

writing at the first class meeting. Complaints about class requirements and grades must first go through the instructor and the department division dean. Students may appeal grades received by following the Grade Appeals process. Grade appeals are filed with the Academic Requirements Review Committee. Contact Enrollment Services, Building 1, 541.463.3100.

# D. Protection Against Improper Disclosure

Information which staff acquire in the course of their work as instructors, advisors and counselors about student views, beliefs and political associations should be considered confidential. Protection of the student against improper disclosure is a serious staff obligation.

#### E. Accommodations for Access

Center for Accessible Resources is committed to providing opportunities to all students with disabilities in order for them to have meaningful access to College programs and services in a barrier-free environment.

Lane's Center for Accessible Resources offers advocates for the removal of attitudinal and architectural barriers, and provides inclass accommodations, advising, resource/referral information, and adaptive equipment. These services are available to students with disabilities who are attending credit courses, Adult Basic Education, and Continuing Education classes on any of the LCC campuses. Students must request services at least two weeks in advance.

# F. Academic Dishonesty

Students are expected to conduct their academic affairs in a forthright and honest manner. In the event that students are suspected of classroom cheating, plagiarism or otherwise misrepresenting their work, they will be subject to due process as outlined in the Student Code of Conduct.

# **G. Standards of Academic Progress**

Lane Community College has established standards for academic progress which are applicable to all students. Failure to maintain satisfactory academic progress will result in loss of financial aid progressive alerts and eventual dismissal from the College.

**H. Complaint Procedures** See Student Policies and Complaint Procedures.

## I. Additional Rights of Petition and Appeal

For grade and academic appeals process, contact Enrollment Services, Building 1, 541.463.3100.

# **III. Student Records**

Lane Community College will abide by federal and state regulations regarding the privacy of student records and comply with the law regarding access procedures. The condition of access to records is set forth in explicit statements.

Transcripts of academic records contain only information about academic status. Information from disciplinary or counseling files will not be available to unauthorized persons on campus or any person off campus without the express written consent of the student involved, except under legal compulsion or in cases where the safety of persons or property is involved. Administrative staff and faculty members will respect confidential information about students which they acquire in the course of their work.

With regard to official documents and student records, information acquired by Lane Community College employees about a student's views, beliefs, and political associations is confidential and is not to be disclosed unless required by state or federal law. All student records will be maintained in strict compliance with state and federal regulations and Lane personnel procedures defining privacy and confidentiality.

#### IV. Student Affairs

The College has the responsibility and obligation to establish certain standards in order to preserve the freedom of students.

#### A. Freedom of Association

Students will be free to organize and join associations to promote their common interests as long as they do not disrupt the College or violate its rules and regulations.

- Procedures for recognition of student organizations Students
  who would like to start a new organization, or to join an existing
  organization should contact the ASLCC (student government)
  offices for information. The process is simple and, once student
  groups receive official recognition from ASLCC, they are eligible
  to reserve space on campus, conduct activities, and co-sponsor
  events.
- Advisors All student organizations must have a staff advisor. Upon approval of the Associate Dean, any Lane staff member is eligible to serve as advisor for student organizations.
- Non-discrimination policies Student organizations must abide by existing College and ASLCC policies and may not restrict membership or participation in events.
- 4. A recognized club or organization may lose its official recognition and be suspended if actions of its officers or members, or activities of the organization as a whole, violate College policy and procedures.

# B. Freedom of Inquiry and Expression

Students and student organizations will be free to examine and discuss all items of interest and to express opinions publicly and privately. Students will always be free to support causes by orderly means, in ways which do not disrupt the operation of the institution or violate College policies and procedures.

#### C. Use of Facilities

The facilities and services of the College will be open to all of its enrolled students, provided the facilities and services are used in a manner appropriate to the academic community and in compliance with College procedures. The Student Life and Leadership Development Office reserves table space and assists student organizations in scheduling space with the College.

# D. Student Participation in College Policies

Students are free to express their views, individually and collectively, on issues of institutional policy and on matters of general interest to the student body. Student representatives are welcome on College committees and councils, and the ASLCC president represents student interests to the Board.

# E. Student Publications

With respect to student publications, the Media Commission, as established under board policy, shall be responsible for the appointment of editors, dismissal of editors for cause, recommendation of policies, professional advice, and informal guidance.

The Media Commission is the board of first appeal and review for all questions concerning publications policy and operation. Final appeal is through the President and then the Board.

The student press is to be free of censorship and advance approval of copy. The editors and managers shall not be arbitrarily suspended, suppressed or intimidated because of student, student government, employee, alumni, or community disapproval of editorial policy or content. Similar freedom is assured for oral statements of views on College-controlled and/or student-operated radio or television stations and student-produced programs. This editorial freedom entails a corollary obligation under the canons of responsible journalism and applicable regulations of the Federal Communications Commission.

Neither the Commission nor the President is involved in day-to-day

decisions or operations of the student media. Responsibility for the content of publications and for compliance with established policies rests with the student editors and their staffs. Editors and their staffs are guided by the Professional Standards of the Oregon Code of Journalistic Ethics, and by state and federal laws. Advisors are not responsible for content of student publications.

Guidelines for the Media Commission shall be contained in administrative rules and procedures.

#### F. Distribution of Literature

First Amendment freedom of the press is applicable to the campus of Lane Community College. Therefore, students, off-campus publications, and the distribution of these publications are protected on the main campus and outreach centers. Distribution may be restricted only if it can be shown that such activity would cause a disturbance or disruption of normal College activities.

Materials to be posted require authorization for such distribution from the Associate Dean, Student Life and Leadership Development. Once authorized, distribution will take place in the prescribed locations on campus, should not disrupt the normal operation of the institution, and should not cause a litter problem.

In case a student, employee, or organization is denied the right to distribute materials on campus, the decision is subject to appeal. All appeals or complaints are subject to the College complaint procedure.

The College reserves the right to designate specific areas for the distribution of printed materials. A listing of these areas is maintained by the Associate Dean, Student Life and Leadership Development on the main campus and by the designated building administrator at each of the following outreach centers: Downtown Campus, LCC at Florence and LCC at Cottage Grove.

# **G. Visiting Speakers**

The College has the responsibility to develop informed, critical, and objective thinking; and such thinking can best be encouraged in an atmosphere assuring a free interchange of ideas. Therefore, Lane Community College students may invite to the campus and hear any person(s) of their choosing in compliance with administrative regulations governing scheduling, publicity, and management of campus activities.

The education of students is not limited to classroom activities. Students have the right to hear a variety of outside speakers. The Student Activities Office and ASLCC are the primary program sources for outside speakers. Individual students or student organizations may request that ASLCC sponsor speakers or may contact Student Activities about other possibilities. All outside speakers must be scheduled through the Student Activities Office to insure that there is proper scheduling of facilities and other preparations for the event and that the event is conducted in an orderly manner appropriate to the academic community. Institutional control of campus facilities will not be used to censor activities. Sponsorship of guest speakers may be withheld if there are reasonable concerns that the controversial nature of the speaker or content of the speech would lead to disruptions on campus. It is the responsibility of the students sponsoring the event to make it clear to the campus community and the local community that all views expressed are not necessarily those of the students, staff or administration of Lane Community College.

# H. Grievance Procedures for Alleged Discrimination or Harassment

Students who feel they have been discriminated against or treated in some unfair manner have access to grievance procedures: The Student Code of Conduct, Student Complaint Procedure, and the Student Sexual Misconduct and Harassment Procedure. These procedures are available on the college's website, myLane, and OrgSync.

Contact Office of Academic and Student Affairs, 541,463,5732.

# V. Discipline

The Student Code of Conduct and the student conduct process apply to the conduct of individual students and all College affiliated student organizations. For the purposes of student conduct, a student (a) is enrolled as a student and/or registered for one or more credit hours including dually enrolled students in multiple institutions; (b) is enrolled in a non-credit program or (c) was enrolled under (a) or (b) within four proceeding terms is considered a "Student" for purposes of the procedure or (d) if the person has submitted an application for admission, financial aid or any other service provided by the College that requires student status.

The Student Code of Conduct is not applicable to students enrolled only in College Now courses on their local high school campuses. Lane Community College reserves the right to clarify appropriate students to whom the Student Code of Conduct is applicable.

Students are required to provide identification such as a photo identification card or class schedule on demand to campus safety personnel, faculty or administrators.

Students deserve fair and equal treatment, so instructors, staff and administrators must employ discretion when initiating disciplinary actions and procedures. Action is warranted for protection of individuals, property and a positive learning climate.

Faculty members may dismiss a student from the class for the day for in-class behavior they judge to be disruptive or inappropriate. Such actions include, but are not limited to: racial, sexual or religious slurs; verbal or physical interruption; offensive language; chewing tobacco or spitting; smoking; and littering or creating unsanitary conditions. Dismissal as a result of faculty action is counted toward the maximum number of absences allowed in the class.

If a student is dismissed for inappropriate behavior, faculty may submit a written report to their Division Dean and to the Executive Dean, Student Affairs detailing the student's name, date and time of class, and the improper behavior.

Students may be dismissed only for the day of the misbehavior, but may be dismissed from subsequent classes for a new or repeated behavioral offense through the processes outlined in the Student Code of Conduct.

Campus Public Safety may be called to assist in any disciplinary situation. The assisting Public Safety officer must file a report on all situation involvement with the Office of Academic and Student Affairs.

Instructors, administrators and classified staff are authorized to employ physical restraint when immediate restraint will prevent injury to the student or others. Physical restraint is not considered a form of physical discipline. The instructor, administrator or classified staff should send a reliable person to the nearest telephone to request emergency assistance from campus safety.

# VI. Off-Campus Students

Students enrolled at Lane Community College satellite campuses (Cottage Grove, Florence, Downtown Campus, and community outreach sites) will enjoy the same rights and responsibilities as the students at the main campus and must comply with the Student Code of Conduct and any additional rules for conduct which are specific to the site.

#### **Student Code of Conduct**

Lane Community College is a community learning institution committed to fostering a campus environment conducive to academic inquiry, a productive campus life, and thoughtful study and discourse. The student conduct program, within the Office of Academic and Student Affairs, is committed to an educational and

developmental process that balances the interests of individual students with the interests of the College community.

A community exists on the basis of shared values and principles. At the College, student members of the community are expected to uphold and abide by certain standards of conduct that form the basis of the Student Code of Conduct. These standards are embodied within a set of Values that include integrity, social justice, respect, community, and responsibility.

Each member of the College community bears responsibility for their individual conduct and is expected to assume reasonable responsibility for the behavior of others. When members of the community fail to exemplify these five values by engaging in violation of the rules below, campus conduct proceedings are used to assert and uphold the Student Code of Conduct.

The student conduct process at Lane Community College is not intended to punish students; rather, it exists to protect the interests of the community and to challenge those whose behavior is not in accordance with the college's policies and procedures. Sanctions are intended to challenge students' moral and ethical decision-making and to help bring behavior into accord with community expectations. When a student is unable to conform their behavior to community expectations, the student conduct process may determine the student should no longer share in the privilege of participating in this community.

The purpose of this Student Code of Conduct is to protect the individual rights of students and employees and to control those actions that go beyond the exercising of such rights. The College recognizes its obligation to develop intellectual curiosity as well as social and cultural awareness. Further, Lane Community College responsibly provides for the safety and well-being of students and employees, property protection, record security, and other education-related services.

Through this Student Code of Conduct, Lane Community College describes conduct interfering with the responsibilities and obligations of the College. This document also outlines the penalties imposed for prohibited conduct and explains the procedural due process for alleged student violations and the protection of student rights.

Students should be aware that the student conduct process is quite different from criminal and civil court proceedings. Procedures and rights in student conduct procedures are conducted with fairness to all, but do not include the same protections of due process afforded by the courts. Due process, as defined within these procedures, assures written notice and a Student Conduct Conference before an objective decision-maker. No student will be found in violation of College policy or procedure without information showing it is more likely than not (preponderance of evidence) that a violation occurred, and any sanctions will be proportionate to the severity of the violation and to the cumulative conduct history of the student. This determination does not require a standard beyond a reasonable doubt, and the technical rules of evidence applicable to civil and criminal procedures shall not apply.

Students cited with code violation are entitled to due process as described in the code and may appeal certain consequences of violations.

NOTE: At the time of the catalog publication, the Student Code of Conduct was in the process of revision. The Student Code of Conduct can be found on the college's website, myLane, and OrgSync. For a written copy of the Student Code of Conduct, please contact the Executive Dean of Student Affairs, 541.463.5725.

# **Security and Safety at Lane**

The Federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, requires colleges to publish information about crime on their campuses. A copy of Lane's Annual Security (Clery) Report is located at lanecc.edu/psd/clery-compliance-information or may be obtained in writing at the Public Safety office. At Lane, security and safety are college-wide efforts. With students, faculty and staff committed to prevention, crime can be minimized.

The Lane Community College Public Safety Department provides direct services to the 30th Avenue campus, Downtown Campus, and the Downtown Center. The Cottage Grove and Florence campuses, Lane's Aviation Academy, KLCC radio station, and the Willamette Dental Clinic receive investigative, training, prevention, and consulting services from Public Safety, but are primarily served by their local law enforcement agencies. Police departments in these jurisdictions also report incidents to the college's Public Safety department. Public Safety provides services at the Downtown Campus including the Titan Court residential facility 7 days a week. In order to contact a downtown officer, call 541.463.6267.

Lane Community College Public Safety Officers are certified under the Oregon Department of Public Safety Standards and Training. Officers maintain an atmosphere conducive to education, contribute to a safe campus environment, enforce parking and traffic regulations, conduct investigations of reported crimes, and share reports with other law enforcement agencies.

Public Safety officers are authorized to enforce motor vehicle and parking laws on campus. Officers are charged with responding to crimes, medical emergencies and violations of college policy/rules and may cite or arrest perpetrators of criminal acts or college policy violations. In addition, officers utilize law enforcement tools such as the Criminal Justice Information System, Law Enforcement Data System (LEDS).

# **Preventing Crimes**

**Education**The majority of criminal incidents on campus result from leaving property unattended, lockers unlocked and valuable property visible in cars. The Public Safety department provides speakers on crime prevention, active shooter/violent actor response, self-defense, personal safety, sexual assault prevention and other criminal justice and safety topics.

**Intoxicants** Drugs and intoxicants are not permitted on campus, except under very specific circumstances, which are detailed in the Student Policies section. Special note: Marijuana use or possession in any form remains illegal on all of Lane Community College's campuses and properties.

**Lighting and Landscaping** College staff work constantly to maintain good lighting and to clear undergrowth to improve visual access on campus and prevent crime.

**Patrol Service** Public Safety conducts patrols of the campus by squad car, motorized T-3, bicycle, and by foot. This comprehensive patrol policy promotes community policing and crime prevention activities. In addition to patrol service, Public Safety works closely with the Lane County Sheriff's Department, Eugene Police Department, and federal agencies such as Homeland Security and the FBI.

# **Emergency Assistance**

Public Safety Officers are always on duty (24/7/365) on campus. To contact Public Safety:

**Red Telephones** Use one of the 40 red telephones on main campus and at the Downtown Campus. These emergency phones automatically ring in the Public Safety department when the receiver is lifted

**Blue Telephones** There are a small number of "blue" emergency phones located in outside areas of the campus. These phones connect directly to Public Safety Emergency (5555).

All emergency phones are checked periodically to ensure that they function

**Dial 5555** On campus dial or ask a staff member to dial 541.463.5555 for emergencies from other college phones to reach Public Safety.

Non-emergency Dial 541.463.5558 for non-emergency calls.

**Campus Elevators** All call boxes in elevator cars connect to Public Safety Emergency (5555).

**Emergency Car Services** Emergency car battery packs are offered 24 hours a day. Call or visit Public Safety. Individuals must pick up the packs at Public Safety, Building 13, Room 107 and a valid photo ID is necessary for this free service. Public Safety does not assist in vehicle entry, but will assist in contacting local locksmiths or other help.

**Emergency Escorts** If your safety is threatened, contact Public Safety and an officer will be dispatched.

# **Reporting and Response**

Anyone knowing of or suspecting a crime should promptly report it to Public Safety in Building 13, Room 107. When a suspect is apprehended, the suspect may be taken into custody, cited, issued an order to appear, or subject to other campus and court referrals. Public Safety Officers may also facilitate contact between the victim and other law enforcement agencies.

# **Services**

In addition to direct law enforcement services and support, Public Safety will also make referrals to other appropriate campus offices to assist complainants and crime victims. These referrals include, but are not limited to:The Women's Center, the Title IX officer, Academic and Student Affairs, Veterans Resource Office, Human Resources, the Center for Accessibility Resources, and the Counseling Department.

**Other Services** Public Safety provides numerous other services including: criminal background checks, access control system assistance, electronic fingerprinting, dignitary protection, alarm monitoring and response, safety escorts, copies of accident reports, and personal safety instruction.

Public Safety is also the primary facilitator and supporter of a campus warming center. This center provides shelter and meals for any individual when the temperature drops to 30 degrees F or lower.

Public Safety also maintains the official campus lost and found service. Individuals who have lost or found property, should contact Public Safety at 541.463.5558 or stop by the Public Safety office.

# **Reported Crimes**

The number of crimes reported to Public Safety and local law enforcement in the categories set forth in the Crime Awareness and Clery Act, as well as the complete campus Annual Security Report, may be found at the Public Safety web site: <code>lanecc.edu/psd/clery-compliance-information</code>.

For more information about Lane's Public Safety Department, contact 541.463.5558.

# Career Technical Programs

To request this information in an alternate format please contact the Center for Accessible Resources at 541.463.5150 or accessibleresources@lanecc.edu.

## **Career Technical Programs**

## **Accounting**

Offered by the Business Department 541.463.5221

**Associate of Applied Science Degree** 

Program Coordinator Chris Culver, 541.463.5153, culverc@ lanecc.edu

Purpose To prepare graduates to enter the field of accounting.

**Learning Outcomes** The student who successfully completes all Accounting requirements will:

- anticipate and actively explore innovative solutions to technological and organizational challenges.
- apply critical thinking and analytical skills in decision-making and problem solving.
- formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- organize and manage the daily business functions of an organization.
- perform on the job in ways that reflect professional ethics, legal standards, and organizational expectations.
- understand accounting as the "language of business".
- use computerized and manual systems to record data and prepare accounting statements and reports.
- use research and analytical skills to support the activities of the organization.
- use software including word processing, spreadsheets, and databases to input, manage, and interpret information to meet organizational needs.
- work independently within diverse business environments; apply individual strengths and critical thinking to collaborative efforts.
- create and present professional documents, work papers, and presentations for both internal and external users.
- apply accounting theory to analyze accounting information.
- understand and monitor the financial, tax, payroll, legal, and other compliance requirements for a variety of organizational entities.
- plan, budget, and evaluate financial performance.

Cooperative Education (Co-op) Students earn credit while gaining relevant work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for future employment. Contact Jamie Kelsch, Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschj@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 23 annually

Statewide openings - 251 annually

Lane County average hourly - \$18.57; average annual - \$38,642

Oregon average hourly - \$19.53; average annual - \$40,629

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$2,835
Computers/Internet Service	\$1,500
Resident Tuition and General Student Fees	\$12,739

Total Estimated Cost \$17,074

#### **Course Requirements**

- An approved 3-credit Health class can be substituted for the PE requirements. Please speak with your academic advisor
- BT 020 must be taken for a letter grade, not P/NP
- Students must place at least into WR 121 or WR 121\_H and MTH 095, or take classes to reach these levels before enrolling in program courses. Consult course descriptions for prerequisites on other courses.
- All program core courses (BA, BT) must be taken for a letter grade, and must be completed with a grade of "C" or better to meet program requirements. See course listings for prerequisites.
- Foundational Requirements (writing, math, communication and Health/Wellness/Fitness courses) may be completed with a grade of "C-" or a "Pass".
- Before enrolling in BT 120 MS WORD for Business or BT 123 MS EXCEL for Business, students are expected to have a basic knowledge of the Windows operating system and the ability to type 30 words per minute accurately.
- Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing.
- These courses may only be offered once per year. Check the schedule below for required terms. BT170 Payroll Rec & Actng BT223 MS EXCEL for Business - Expert BT272 Tax Concepts & Preparation BT221 Budgeting for Managers BT286 Professional Bookkeeping

#### First YearFall

riist realraii	
MTH 095 Intermediate Algebra or higher	5
Physical Education Requirement	1
BT 120 MS WORD for Business	4
BT 108 Business Proofreading and Editing	4
WR121 Academic Composition or WR 121 H	•
Academic Composition	4
7.cadefille defilipedition	•
	Winter
BA 101 Introduction to Business	4
BT 165 Introduction to the Accounting Cycle	4
BA 214 Business Communications	4
BA 281 Personal Finance	4
	Spring
BT 163 QuickBooks	4
BT 206 Co-op Ed: Business Seminar	2
Physical Education Requirement	1
MTH 105 Math in Society or higher	4
BT 123 MS EXCEL for Business	4
	•
Second Year	Fall
BA 211 Financial Accounting	4
BT 170 Payroll Records & Accounting	4
BA 278 Leadership & Team Dynamics	4
Communication Course	4
	Winter
BT 221 Budgeting for Managers	4
BT 223 MS EXCEL for Business-Expert	4
•	4
BT 230 Sustainable Paperless Office Practices using	4
Adobe Acrobat	4
BT 286 Professional Bookkeeping	4
	Spring
Physical Education Requirement	1
BA 280AC Co-op Ed: Accounting	3
D/ ( 200/ (0 00 0p Ed. / (000difting	-
BT 272 Tax concepts & Preparation	4

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

### **Administrative Professional**

Offered by the Business Department, 541.463.5221

**Associate of Applied Science Degree** 

Career Pathway Certificate - Administrative Professional: Customer Service

Career Pathway Certificate - Administrative Professional: Legal Office Skills

Career Pathway Certificate - Administrative Professional: Office Software Specialist

Career Pathway Certificate - Administrative Professional: Small Business Ownership

**Program Coordinator** Judy Boozer, Bldg. 19, Rm. 253C, 541.463.5765, boozerj@lanecc.edu

Purpose To train students to manage professionally the administrative functions related to a well-run business/organization. This includes managing/coordinating projects, using personal computers for internet research, word processing, and financial analysis, handling correspondence, maintaining electronic and manual files, assisting with financial record keeping, operating a variety of equipment, assisting and greeting customers/clients, answering telephones, utilizing social media appropriately for the needs of the business/organization, assuming some executive decision-making responsibilities, and collaborating digitally. Upon successful completion of the first year courses, students will be eligible for the Business Assistant One-Year Certificate of completion.

**Learning Outcomes** The student who successfully completes all Administrative Professional requirements will:

- organize and manage the daily business functions of an organization.
- perform on the job in ways that reflect professional ethics, legal standards, and organizational expectations.
- · create professional, accurate documents.
- anticipate and actively explore innovative solutions to technological and organizational challenges.
- provide basic training and technical support for office equipment and software systems.
- use research and analytical skills to support the activities of the organization.
- work independently within diverse business environments, apply individual strengths and critical thinking to collaborative efforts.
- make effective presentations to internal and external audiences.
- use appropriate library and information resources to research business topics.
- apply critical thinking and analytical skills in decision-making and problem solving.
- perform administrative, management, financial, and Web support functions using technology.
- apply and integrate advanced computer software applications to complete complex projects and documents.
- have enhanced employment opportunities based on selection of directed electives, such as accounting, legal, and medical.
- use communication, teamwork, and interpersonal skills for internal and external customer support.
- understand accounting as the 'language of business'.
- formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- use good keyboarding skills to prepare documents quickly and accurately according to employer standards.
- use software including word processing, spreadsheet, database, and presentation tools to input, manage, and interpret information to meet organizational needs.
- engage customers and co-workers in a purposeful manner

- listening to and accurately interpreting their responses within diverse cultural contexts.
- preform in management level positions after additional experience is acquired.

Cooperative Education (Co-op) Students earn credit while gaining relevant work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for future employment. Contact Jamie Kelsch, Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschi@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 42 annually

Statewide openings - 485 annually

Lane County average hourly - \$17.45; average annual - \$36,296 Oregon average hourly - \$18.18; average annual - \$37.814

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$2,966
Computers/Internet Service	\$1,500
Resident Tuition and General Student Fees	\$13,238

Total Estimated Cost \$17,704

- The AP program has graded keyboarding skill levels built into several courses.
- Prerequisites are required for some courses. See course descriptions.
- All Business Department majors must have a computer that meets minimum system requirements. Contact the department or academic advisor for details.
- All program core courses (BA, BT, CS) must be taken for a letter grade, and must be completed with a grade of 'C' or better to meet program requirements. See course listings for prerequisites.
- Foundational Requirements (writing, math, communication and Health/Wellness/Fitness courses) may be completed with a grade of 'C-' or 'Pass'.
- Students must place at least into WR 121 or WR 121\_H and MTH 065, or take classes to reach these levels before enrolling in program core courses.
- Before enrolling in BT 120 MS WORD for Business or BT 123 MS EXCEL for Business, students are expected to have a basic knowledge of the Windows operating system and the ability to type 30 words per minute accurately and key 130-132 strokes per minute.
- Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing.
- These courses may only be offered once per year. Check the schedule below for required terms. BA224 Human Resource Management BA250 Small Business Management BT144 Administrative Procedures BT170 Payroll Rec & Actng BT181 Customer Service BT220 MS WORD for Business - Expert BT223 MS EXCEL for Business - Expert BT221 Budgeting for Managers BT228 Integrated Office Applications BT271 AOP Advanced Projects

First Year	Fall
BT 120 MS WORD for Business	4
CS 120 Concepts of Computing: Information Processing WR121 Academic Composition or WR 121_H	4
Academic Composition	4
MTH 065 Elementary Algebra or higher	4
	Winter
BA 101 Introduction to Business	4
BT 123 MS EXCEL for Business	4
BT 165 Introduction to the Accounting Cycle	4
BT 108 Business Proofreading and Editing	4

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

	Spring
BA 206 Management Fundamentals	4
BA 214 Business Communications	4
BT 144 Administrative Procedures	4
BT 163 QuickBooks	4
BT 206 Co-op Ed: Business Seminar	2
Second Year	Fall
PE/Health Requirement	3
BA 224 Human Resource Management	4
BT 220 MS WORD for Business - Expert	3
Communication Course	4
Directed Elective	3 - 8
	Winter
BA 226 Business Law	4
BT 228 Integrated Office Applications	4
BT 230 Sustainable Paperless Office Practices	
using Adobe Acrobat	4
Directed Elective	4 - 8
	Spring
BA 278 Leadership & Team Dynamics	4
BT 271 Administrative Office Professional	
Advanced Projects	4
Directed Elective	4 - 8
BA280AA Co-op Ed: Administrative Office	
Professional	3
Directed Electives	
HIM 112 Medical Insurance Procedures	3
BT 170 Payroll Records & Accounting	4
BT 221 Budgeting for Managers	4
BT 223 MS EXCEL for Business-Expert	4
BA 211 Financial Accounting	4
LA 100 Legal Procedures	4
(Taught Elsewhere)	
LA 101 Introduction to Paralegal Studies	3
(Taught Elsewhere)	
LA 102 Legal Terminology	3
(Taught Elsewhere)	0
LA 105 Civil Litigation	3
(Taught Elsewhere) LA 128 Legal Procedures 2	4
(Taught Elsewhere)	4
LA 132 Ethics for the Legal Professional	3
(Taught Elsewhere)	J
HO 100 Medical Terminology 1	3
HO 110 Health Office Procedures	3
BA 223 Marketing	4
BT 181 Customer Service	4
CIS 101 Computer Fundamentals	4
BT 150 Business Web Pages with WordPress	3
BA 250 Small Business Management	4
BA 280AA Co-op Ed: Administrative Office	3
BA280CS Co-op Ed: Customer Service	3
BA 281 Personal Finance	4
CIS 125D SOITWARE TOOLS 1: DATADASES	4

## Administrative Professional: Customer Service

Offered by the Business Department 541.463.5221

**Career Pathway Certificate** 

Program Coordinator LuAnne Johnson, Bldg. 19, Rm. 254B, 541.463.5767, johnsonlm@lanecc.edu

Purpose This Career Pathway Certificate is designed for individuals who are interested in employment or advance opportunities in the various customer service fields. Students may find employment in call centers, customer service centers, or departments within businesses that have a significant customer service component.

Learning Outcomes The graduate of the Customer Service Certificate of Completion will be able to:

- utilize keyboarding and business software skills to help support customers.
- communicate in written and verbal forms to help serve customers.
- work effectively as an individual and within teams to help meet customer needs.
- deliver effective initial customer service and promote customer satisfaction.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

	Fall
Choice of:	
CIS 101 Computer Fundamentals	
CS 120 Concepts of Computing: Information	
Processing	4
BA 278 Leadership & Team Dynamics	4
	Winter
COMM 218 Interpersonal Communication	4
BT 120 MS WORD for Business	4
	Spring
Choice of:	
BA 280CS Co-op Ed: Customer Service	
BA 101 Introduction to Business	3 - 4
BT 181 Customer Service	4

## Administrative Professional: Legal Office Skills

Offered by the Business Department, 541.463.5221

**Career Pathway Certificate** 

Program Coordinator Business Department, Bldg. 19, Rm. 137, 541.463.5221

Purpose This Career Pathway Certificate of Completion is designed for those with office experience who wish to expand their options for employment in law-related business and government offices. It also prepares students for transfer into the second year of Umpqua Community College's AAS Degree in Paralegal Studies, which is offered completely online. Legal careers require criminal and personal background checks. The partnership between Lane and Umpqua allows students to work toward their Legal Office Certificate while at Lane, and if they choose to continue their education, they can transfer that certificate to Umpqua to begin second year classes of the AAS in Paralegal Studies. Federal regulations prohibit students from majoring in a degree not awarded from the institution they are attending. Please see your academic advisor to discuss major options while you are attending Lane. Federal regulations also prohibit receiving financial aid for the same term at more than one institution. Students who plan to transfer to Umpqua to pursue an AAS in Paralegal Studies will need to stop receiving financial aid from Lane and apply for financial aid from Umpqua when they transfer.

Learning Outcomes Students earning the Legal Office Skills Certificate of Completion will be able to:

- use and understand basic legal terminology and concepts.
- demonstrate an understanding of the role of lawyers in the legal system.
- demonstrate an understanding of the roles and duties of all levels of legal support personnel in the legal environment.
- prepare accurately formatted legal documents, letters, and pleadings and compose correspondence commonly used in legal settings.
- · draft basic pretrial documents.

- demonstrate an understanding of pretrial and trial procedures.
- develop questions for gathering information and facts in preparation for trial.
- evaluate and practice rules of ethics as they would apply to civil litigation.
- demonstrate an understanding of ethics as they relate to confidentiality, competence, fees, billing, conflicts of interest, and UPI.
- demonstrate an understanding of the purposes and functions of court rules, schedules, and procedures.
- demonstrate a basic knowledge of requirements for recording and filing documents with the proper court offices.
- demonstrate an understanding of and use a variety of legal office systems including document management and calendaring.
- demonstrate an understanding of and practice basic functions of legal billings and timekeeping, client relations, and litigation support.
- use law library, computing and communication services to obtain legal forms, information, and data from regional, national, and international networks.
- work independently within diverse business environments; apply individual strengths and critical thinking to collaborative efforts.
- use research and analytical skills to support the activities of the organization.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be taken for a letter grade, and must be completed with a grade of 'C' or better or repeated to meet program requirements.
- Students are expected to have the ability to accurately type 40 words per minute before taking LA 100. The Business Department at Lane offers free placement tests to assist students in determining skill levels. Students who are unable to meet the minimum
- The LA course sequence is offered through Umpqua Community College Fall, Winter Spring and Winter, Spring, Summer.

	Fall
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition - Honors	4
LA 100 Legal Procedures(Taught Elsewhere)	4
LA 102 Legal Terminology	3
(Taught Elsewhere)	Ü
BT 108 Business Proofreading and Editing	4
	Winter
CS 120 Concepts of Computing: Information Processing	4
LA 101 Introduction to Paralegal Studies	3
(Taught Elsewhere)	_
LA 128 Legal Procedures 2	4
(Taught Elsewhere) MTH 065 Elementary Algebra or higher	4
Titre coo Liomontary rugosta or rugitor illiministri	Spring
Choice of:	Spring
COMM 105 Listening and CriticalThinking	
COMM 218 Interpersonal Communication	
COMM 219 Small Group Discussion	4
BA 214 Business Communications	4
LA 105 Civil Litigation	3
(Taught Elsewhere) LA 132 Ethics for the Legal Professional	3
(Taught Elsewhere)	3
(	

## Administrative Professional: Office Software Specialist

Offered by the Business Department, 541.463.5221

#### **Career Pathway Certificate**

**Program Coordinator** Judy Boozer, Bldg. 19, Rm. 253C, 541.463.5765, boozerj@lanecc.edu

Purpose This Career Pathway Certificate of Completion is designed for administrative professional personnel who are interested in career enhancement or for current Business students with administrative experience who wish to expand their software proficiency. In today's competitive job market, Software Specialist certification can bring employment opportunities, greater earning potential and career advancement, and increased job satisfaction.

Learning Outcomes The graduate of the Office Software Specialist Certificate of Completion will be able to:

- create, format, save, edit, paginate, and print documents.
- · create, run, and save macros.
- use cell, row and column, and worksheet formatting techniques to create professional-looking spreadsheets.
- use sophisticated Excel functions to perform sensitivity analysis to solve business problems.
- navigate the Windows operating environment.
- plan and develop a worksheet to solve complex business problems by using named cells and ranges, complex logical and nested logical functions, and relative, absolute, and mixed cell references in creating formulas and functions.
- work with arrays, iteration, multi-sheet data, form controls, look up functions, date and time functions, and math and statistical functions in a business problem-solving context.
- create presentations from a template, from existing slides, or by using the AutoContent Wizard and apply appropriate design principles to design, create, and present an original slide show using PowerPoint software.
- customize color schemes, apply slide transitions and animation effects, create a custom background, add animated clip art, link slides within the presentation, resize and scale objects, add action buttons, hide slides, and set automatic slide timings.
- enter, edit, move, and delete information in established databases with accuracy.
- sort, index, and search databases, create custom forms and reports, link tables, and import/export information.
- create and apply character and paragraph styles, generate and update document indexes, tables of contents, and captions; demonstrate mastery in working with document sections, templates, and mail merge.

- Prerequisites are required for some courses. See course descriptions
- All Business Department majors must have a computer that meets minimum system requirements. Contact the department or academic advisor for details
- All courses must be taken for a letter grade, and must be completed with a grade of 'C' or better to meet program requirements. See course listings for prerequisites
- Students must place at least into WR 121 or WR 121H and MTH 065, or take classes to reach these levels before enrolling in program core courses. WR 121 or WR 121\_H and MTH 065 must be taken for a letter grade, and must be completed with a grade of 'C-
  - Before enrolling in BT 120 MS WORD for Business or BT 123 MS EXCEL for Business, students are expected to have a basic knowledge of the Windows operating system and the ability to type 30 words per minute accurately and key 130-132 strokes per minute

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

The AP program has graded keyboarding skill levels built into

several courses.	
BT 120 MS WORD for Business	4
BT 123 MS EXCEL for Business	4
BT 220 MS WORD for Business - Expert	3
BT 223 MS EXCEL for Business-Expert	4
BT 228 Integrated Office Applications	4
CIS 125D Software Tools 1: Databases	4
BT 230 Sustainable Paperless Office Practices using	

## Administrative Professional: Small Business Ownership

Adobe Acrobat .....

Offered by the Business Department 541,463,5221

**Career Pathway Certificate** 

**Program Coordinator** Judy Boozer, Bldg. 19, Rm. 253C, 541.463.5765, boozerj@lanecc.edu

Purpose This Career Pathway Certificate is designed for individuals who may want to own and operate a business in the near term or future. This includes, but is not limited to, trade and professional students, community members and former graduates with skills that are marketable in the business environment; individuals with skill sets that are commonly delivered in a freelancer or independent contractor capacity; and service providers, small retailers and food service providers that may potentially organize as a business.

**Learning Outcomes** The graduate of the Small Business Ownership Certificate of Completion will be able to:

- understand his or her motivations and the reality of owning a small business, and understand the legal implications of being a business owner.
- determine the appropriate type of business entity for various business endeavors, and understand, outline and evaluate the components of a business plan.
- use cell, row and column, and worksheet formatting techniques to create professional-looking spreadsheets for analyzing business decisions.
- use sophisticated Excel functions to perform sensitivity analysis to solve business problems.
- understand the role of accounting in planning, operating, and reporting an organization's activities and management's fiduciary responsibility to safeguard assets and be able to discuss the adequacy of internal controls.
- recognize how the major elements of the marketing process apply to small business marketing situations.
- design and utilize QuickBooks as a tool to efficiently meet an organizations accounting and tax compliance responsibilities.
- understand the link between accounting data and the underlying business reality, and use the accounting equation for analyzing business transactions and creating financial statements.
- understand the historical role and evolving trends in small business including: transitions to paperless environments, globalization, role of e-commerce, and sustainability.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

BA 101 Introduction to Business	4
BT 123 MS EXCEL for Business	4
BT 165 Introduction to the Accounting Cycle	4
	Winter
BA 223 Marketing	4
BA 223 Marketing	4 4
	4

	Spring
BA 206 Management Fundamentals	4
BA 250 Small Business Management	4
BT 163 QuickBooks	4

## **Automotive Technology**

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree

Two-Year Certificate of Completion - Automotive Technology

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To prepare the graduate for employment as an Automotive ServiceTechnician working at company-owned repair stations, fleets, independent garages, gas stations, or new car dealerships.

**Learning Outcomes**The graduate of the Associate of Applied Science degree or the Two-Year Certificate of Completion will:

- use automotive service resources to complete lab projects and become familiar with computer accessed information, internet accessed information and information available in print related to automotive repair.
- be able to perform computations for gear ratios, engine displacement, electrical circuits, power output, vehicle alignment angles, conversion between the metric system and standard system, and use of precision measuring tools.
- diagnose and repair current vehicles using advanced diagnostic tools and equipment.
- successfully complete ASE certification tests.
- · demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional and national networks.
- interpret the concepts of a problem-solving task and translate them into mathematical equations.

Accreditation Automotive Technology, certified by the National Automotive Technicians Education Foundation, a non-profit foundation within the National Institute for Automotive Service Excellence

Admission Information lanecc.edu/advtech/at/admission-informationor contact the Advanced Technology Division, AdvTech-Programs@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Automotive Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in AM 280 may be earned in lieu of required Automotive Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### **Job Openings Projected through 2020**

Lane County openings - 21 annually

Fall

Statewide openings - 303 annually

Lane County average hourly - \$21.70; average annual - \$45,136

Oregon average hourly - \$21.44; average annual - \$44,585

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,324
Differential Fees*	\$2,717
Instruments/Tools	\$3,170
Program Specific Fees	\$960
Resident Tuition and General Student Fees	\$13,122

Total Estimated Cost \$21,293

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- All AM and MTH courses must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better, or pass, to fulfill program requirements.
- WR115W and the PE/Health requirements must be passed with a "C-" or better to fulfill program requirements.
- See course descriptions for prerequisite information.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
MTH 085 Applied Geometry for Technicians	4
AM 243 Electrical and Electronic Systems	12
	Winter
AM 145 Engine Repair	12
PE/Health Requirement	3
WLD 121 Shielded Metal Arc Welding 1	4
	Spring
AM 147 Suspension and Steering	6
AM 149 Manual Drive Trains and AxlesWR 115W Introduction to College Writing: Workplace	6
Emphasis	3
Second Year	Fall
AM 143 Brakes	8
AM 246 Heating and Air Conditioning	4
CS 120 Concepts of Computing: Information Processing Choice of: Science or Computer Science Course	4
ET129 Electrical Theory 1	4
	Winter
AM 244 Engine Performance	12
COMM 100 Basic Communications	
COMM 105 Listening and Critical Thinking	
COMM 218 Interpersonal Communications	4
CG 203 Human Relations at Work	3
	Spring
AM 242 Automatic Transmissions/Transaxles	12
AM 280 Co-op Ed: Automotive	3

#### **Automotive Technology**

Offered by the Advanced Technology Division, 541.463.5380

**Two-Year Certificate of Completion** 

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To prepare the graduate for employment as an Automotive Service Technician working at company-owned repair stations, fleets, independent garages, gas stations, or new car dealerships.

**Learning Outcomes** The graduate of the Associate of Applied Science degree or the Two-Year Certificate of Completion will:

 use automotive service resources to complete lab projects and become familiar with computer accessed information, internet

- accessed information and information available in print related to automotive repair.
- be able to perform computations for gear ratios, engine displacement, electrical circuits, power output, vehicle alignment angles, conversion between the metric system and standard system, and use of precision measuring tools.
- diagnose and repair current vehicles using advanced diagnostic tools and equipment.
- successfully complete ASE certification tests.
- demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional and national networks.
- interpret the concepts of a problem-solving task and translate them into mathematical equations.

Admission Information lanecc.edu/advtech/at/admission-informationor contact the Advanced Technology Division, AdvTech-Programs@lanecc.edu

**Advising and Counseling** *classes.lanecc.edu/course/view. php?id=31255* 

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Automotive Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in AM 280 may be earned in lieu of required Automotive Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 21 positions

Statewide: 303 positions

Lane County average hourly - \$21.70; average annual - \$45,136

Oregon average hourly - \$21.44; average annual - \$44,585

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$951
Differential Fees*	\$2,717
Instruments/Tools	\$3,170
Program Specific Fees	\$940
Resident Tuition and General Student Fees	\$11,700
Total Estimated Cost	\$19,478

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

49-3023.01

Standard Occupational Classification: 43-3023.01 Go to the Department of Labor's O\*Net website for a profile of this occupation: Automotive Master Mechanics Onetonline.org/link/summary/49-3023.01 Or check on these O\*Net Related Occupations: Automotive Specialty Technicians onetonline.org.link/summary/49-3023.02

In academic year 2014-15, fewer than 10 students completed this certificate within 2 years -- the actual number is withheld to preserve the confidentiality of students.

The program is designed to take 6 full-time enrolled terms, or about 2 academic years of study to complete -- i.e., "normal time."

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time graduation rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- All AM and MTH courses must be completed with a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- WR 115W and the PE/Health courses must be completed with a Pass or "C-" or better, or pass, to fulfill program requirements.
- · See course descriptions for prerequisite information.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
AM 243 Electrical and Electronic Systems	12
MTH 085 Applied Geometry for Technicians	4
	Winter
AM 145 Engine Repair	12
WLD 121 Shielded Metal Arc Welding 1	4
	Spring
AM 147 Suspension and Steering	6
AM 149 Manual Drive Trains and Axles	6
PE/Health Elective	3
Second Year	Fall
AM 143 Brakes	8
AM 246 Heating and Air Conditioning	4
WR 115W Introduction to College Writing: Workplace	
Emphasis	3
	Winter
AM 244 Engine Performance	12
CG 203 Human Relations at Work	3
	Spring
AM 242 Automatic Transmissions/Transaxles	12
AM 280 Co-op Ed: Automotive	3

### **Aviation Maintenance Technician**

Offered by the Lane Aviation Academy, 541.463.4303

**Associate of Applied Science Degree** 

Two-Year Certificate of Completion - Aviation Maintenance Technician

**Program Coordinator** Patrick O'Connor, Division Dean of Advanced Technology, 541.463.5710

**Purpose**To prepare technicians to repair and maintain the operating condition of aircraft, and qualify for Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant airman certificate.

**Learning Outcomes** The student who successfully completes all Aviation Maintenance Technician requirements will:

• repair and maintain the operating condition of aircraft.

- pass the FAA written, oral and practical exams for licensing.
- demonstrate and use industry safety standards.
- access library, computing, and communications services and obtain information and data from regional, national, and international networks.
- interpret the concepts of a problem-solving task and translate them into mathematics.

Accreditation Aviation Maintenance, approved under Part 147 of the Federal Aviation Regulations of the Federal Aviation Administration

Admission Information Contact Lane Aviation Maintenance

Technology: lanecc.edu/aviationacademy

Phone: 541.463.4303 Email: amt@lanecc.edu

Advising and Counseling Aviation Maintenance Program Advisors are: \* Claudia Riumallo: Office: Bldg. 12, Rm. 120A, Phone: 541.463.5378 Email: riumalloc@lanecc.edu \* Sarah Rick: Bldg. 12, Rm 119B, Phone: 541.463.5292 Email: ricks@lanecc.edu Advisor Drop-in hours are updated weekly at: https://classes.lanecc.edu/course/info.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Aviation Maintenance Co-op Coordinator and as approved by the FAA Liaison and Return to Service instructor, a maximum of six Co-op credits in AV 280 may be authorized in lieu of the final Return to Service course. Co-op may be taken summer term. Contact Chuck Fike, Aviation Maintenance Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 1 annually

Statewide openings - 46 annually

Graduates may have many opportunities nationally. Lane County average hourly - \$26.76 average annual - \$55,666

Oregon average hourly - \$28.31; average annual - \$58,878

**Costs** Estimate based on 2017-18 costs. All amounts are subject to change. See the online credit class schedule for the most current information.

Books	\$500
Certification, Licensure, Exams, Physicals	\$1,500
Instruments/Tools	\$1,000
Program Specific Fees	\$2,700
Resident Tuition and General Student Fees	\$13,992

Total Estimated Cost \$19,692

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- See course descriptions for prerequisite and corequisite information.
- Graduates may also transfer to a four-year university preparing for a professional degree.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- Foundational Skills (except MTH) and Discipline Studies are not required for two-year FAA Airframe and Powerplant airman's certificate exams.
- WR 115W Introduction to College Writing: Workplace Emphasis or higher writing is a prerequisite but in any case must be completed before the end of the Second Year.
- · WR and PE/Health requirement must be passed with a Pass or

'C-' or better to fulfill program requirements.

- MTH 085 (or higher math) must be taken no later than the second winter term.
- MTH 075 or equivalent is a prerequisite but in any case must be completed before the end of the first year.
- MTH 060 and 065 or MTH 070 may substitute for MTH 075.
- All AV and MTH courses must be taken for a letter grade, not P/ NP, and must be passed with a 'C-' or better to fulfill program requirements.
- Minimum placement score of 68 in Reading, completion of RD 080 or RD 087 and EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program. Procedures for crediting and guidelines for the determination of documented military or field experience are available through application with the FAA liaison.

#### **Prerequisites**

MTH 075 Applied Algebra for Technicians

WR 115W Introduction to College Writing: Workplace Emphasis

First Year	Fall
AV 192 General 101	6
AV 193 General 102	6
MTH 085 Applied Geometry for Technicians	4
	Winter
AV 196 General 105	6
AV 194 General 103	6
AV 262 Airframe 2	6
	Spring
AV 195 General 104	6
AV 263 Airframe 3	6
AV 264 Airframe 4	6
Second Year	Fall
AV 261 Airframe 1	6
AV 271 Powerplant 1	6
AV 272 Powerplant 2	6
	Winter
AV 273 Powerplant 3	6
AV 274 Powerplant 4	6
Human Relations requirement	3
Science/Computer Science requirement	3
	Spring
AV 283 Powerplant Return to Service	6
AV 282 Airframe Return to Service	6
PE/Health requirement	3
Arts and Letters requirement	
AV 280 Optional elective Co-op Ed Av Maint	0
Additional Electives	
	Spring

#### **Aviation Maintenance Technician**

Offered by the Lane Aviation Academy, 541.463.4303

**Two-Year Certificate of Completion** 

**Program Coordinator** Patrick O'Connor, Division Dean of Advanced Technology, 541.463.5710

**Purpose**To prepare technicians to repair and maintain the operating condition of aircraft, and qualify for Federal Aviation Administration (FAA) certification exams (written, oral and practical) for the airframe and powerplant airman certificate.

**Learning Outcomes** The student who successfully completes all Aviation Maintenance Technician requirements will:

- repair and maintain the operating condition of aircraft.
- pass the FAA written, oral and practical exams for licensing.
- demonstrate and use industry safety standards.

- access library, computing and communications services and obtain information and data from regional, national and international networks.
- interpret the concepts of a problem-solving task and translate them into mathematics.

Admission Information Contact Lane Aviation Maintenance

Technology: lanecc.edu/aviationacademy

Phone: 541.463.4303 Email: amt@lanecc.edu

Advising and Counseling Aviation Maintenance Program Advisors are: \* Claudia Riumallo: Office: Bldg. 12, Rm. 120A, Phone: 541.463.5378 Email: riumalloc@lanecc.edu \* Sarah Rick: Office: Bldg. 12, Rm 119B, Phone: 541.463.5292 Email: ricks@lanecc.edu Advisor Drop-in hours are updated weekly at: https://classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Aviation Maintenance Co-op Coordinator and as approved by the FAA Liaison and Return to Service instructor, a maximum of six Co-op credits in AV 280 may be authorized in lieu of the final Return to Service course. Co-op may be taken summer term. Contact Chuck Fike, Aviation Maintenance Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 1 positions Statewide: 46 positions

Graduates may have many opportunities nationally.

Lane County hourly average - \$26.76; annual average - \$55,666

Oregon hourly average - \$28.31; annual average - \$58,878

**Costs** Estimate based on 2017-18 costs and are subject to change. See the online credit class schedule for the most current information.

Books	\$500
Certification, Licensure, Exams, Physicals	\$1,500
Instruments/Tools	\$1,000
Program Specific Fees	\$2,700
Resident Tuition and General Student Fees	\$13,236

Total Estimated Cost \$18,936

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

49-3011.00

Standard Occupational Classification: 49-3011.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Aircraft Mechanics and Service Technicians Onetonline. org/link/summary/49-3011.00 Or check on these O\*Net Related Occupations: Aircraft Structure, Surfaces, Rigging, and Systems Assemblers onetonline.org.link/summary/51-2011.00 Office Clerks, General onetonline.org/link/summary/43-9061.00

In academic year 2014-15, 15 students completed this certificate.

The program is designed to take 8 terms, or about 24 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane,

enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- See course descriptions for prerequisite and corequisite information.
- All AV and MTH courses must be taken for a letter grade, not P/ NP, and must be passed with a 'C-' or better to fulfill program requirements.
- MTH 060 and 065 or MTH 070 may substitute for MTH 075.
- MTH 075 is a prerequisite, but in any case must be completed before the end of the first year.
- MTH 085 (or higher) must be completed no later than the second winter term.
- WR and PE/Health requirement must be passed with a Pass or 'C-' or better to fulfill program requirements.
- WR 115W is a prerequisite and should be taken before the first year.

#### **Prerequisites**

MTH 075 Applied Algebra for Technicians

WR 115W Introduction to College Writing: Workplace Emphasis

0 0 1	
First Year	Fall
AV 193 General 102	6
AV 192 General 101	6
MTH 085 Applied Geometry for Technicians	4
	Winter
AV 196 General 105	6
AV 194 General 103	6
AV 262 Airframe 2	6
	Spring
AV 195 General 104	6
AV 263 Airframe 3	6
AV 264 Airframe 4	6
Second Year	Fall
Second Year AV 271 Powerplant 1	<b>Fall</b> 6
AV 271 Powerplant 1	6
AV 271 Powerplant 1	6
AV 271 Powerplant 1	6 6 6
AV 271 Powerplant 1	6 6 6 Winter
AV 271 Powerplant 1	6 6 6 <b>Winter</b>
AV 271 Powerplant 1	6 6 6 <b>Winter</b> 6 6
AV 271 Powerplant 1	6 6 6 Winter 6 6 3
AV 271 Powerplant 1	6 6 6 Winter 6 6 3 Spring
AV 271 Powerplant 1	6 6 6 Winter 6 6 3 Spring

### **Business Assistant**

Offered by the Business Department, 541.463.5221

**One-Year Certificate of Completion** 

**Program Coordinator** Business Department, Bldg. 19, Rm. 137, 541.463.5221

**Purpose**To train business assistants for a wide variety of duties. They may handle correspondence, maintain electronic and manual files, assist with financial record keeping, operate a variety of office equipment, assist customers, answer telephones, act

as a receptionist, act as an accounts receivable or payable clerk, perform general office duties, and use personal computers for internet research, word processing, and financial analysis. This Certificate of Completion may fulfill the first year requirements of the Accounting and Administrative Professional Two-Year Associate of Applied Science degrees.

Learning Outcomes The graduate will be able to:

understand accounting as the language of business.

- engage customers and co-workers in a purposeful manner listening to and accurately interpreting their responses within diverse cultural contexts.
- work independently within diverse business environments; apply individual strengths and critical thinking to collaborative efforts.
- use software including word processing, spreadsheets, databases, and presentation tools to input, manage, and interpret information to meet organizational needs.
- perform on the job in ways that reflect professional ethics, legal standards, and organizational expectations.
- · create professional, accurate documents.
- anticipate and actively explore innovative solutions to technological and organizational challenges.
- provide basic training and technical support for office equipment and software systems.
- use research and analytical skills to support the activities of the organization.
- formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- make effective presentations to internal and external audiences.
- use appropriate library and information resources to research business topics.
- apply critical thinking and analytical skills in decision-making and problem solving.
- use good keyboarding skills to prepare documents quickly and accurately according to employer standards.
- organize and manage the daily business functions of a business/organization.

#### Job Openings Projected through 2020

Lane County: 32 positions

Statewide: 384 positions

Lane County average hourly - \$14.56; average annual - \$30,293 Oregon average hourly - \$14.92; average annual - \$31,026

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books  Computers/Internet Service	\$1,500
Total Estimated Cost	\$9,855

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

43-6014.00

Go to the Department of Labor's O\*Net website for a profile of this occupation: Secretaries and Administrative Assistants, Except Legal, Medical, and Executive Onetonline.org/link/summary/43-6014.00 Or check on these O\*Net Related Occupations: Receptionists and Information Clerks onetonline.org.link/summary/43-4171.00 Office Clerks, General onetonline.org/link/summary/43-9061.00

In academic year 2014-15, 18 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

69% of the Title IV students completed this certificate within 1 year. Note: The federally required method for calculating this rate assumes students will declare their completion program major immediately, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change majors, and brush-up on their academic skills to be better prepared for college level courses, all of which affect this narrowly defined on-time graduation rate.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- See course descriptions for prerequisite requirements
- Students must place at least into WR 121 or WR 121\_H and MTH 065, or take classes to reach these levels before enrolling in program courses
- Foundational Requirements (writing and math) may be completed with a grade of 'C-' or 'Pass'. All other required prerequisites and courses must be taken for a letter grade, not P/NP, and be passed with grade of 'C' or better
- Before enrolling in BT 120 MS WORD for Business or BT 123 MS EXCEL for Business, students are expected to have a basic knowledge of the Windows operating system and the ability to type 30 words per minute accurately and key 130-132 strokes per minute on a
- Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing

	Fall
WR121 Academic Composition or WR 121_H Academic Composition	4 4 4 4
	Winter
BT 108 Business Proofreading and Editing	4
BA 101 Introduction to Business	4
BT 123 MS EXCEL for Business	4
BT 165 Introduction to the Accounting Cycle	4
	Spring
BA 206 Management Fundamentals	4
BA 214 Business Communications	4
BT 163 QuickBooks	4
BT 206 Co-op Ed: Business Seminar	2
Choice of:	
BT 144 Administrative Procedures	
BA 281 Personal Finance	4
BA 278 Leadership & Team Dynamics	4

## **Business Management**

Offered by the Business 541,463,5221

Associate of Applied Science Degree

Program Coordinator John Price 541.463.5156

**Purpose** Students completing the Business Management Associate of Applied Science (AAS) degree will be prepared for positions in management, marketing, and accounting. The degree includes electives to enable students to focus on one business area or develop a general background prior to assuming management positions.

**Learning Outcomes** The student who successfully completes all Business Management requirements will:

- demonstrate an understanding of the functions of leading, planning, organizing, and controlling in an organization.
- make informed business decisions based on the use analysis of financial and budgetary data.

- select appropriate marketing strategies for an organization.
- apply critical thinking and analytical skills in decision-making and problem solving.
- use software including word processing, spreadsheets, and databases to manage and interpret information to meet organizational needs.
- perform on the job in ways that reflect professional ethics, legal standards, and organizational expectations.
- apply adaptive managerial, supervisory and leadership practices in a variety of situations.
- contribute to the planning, implementation, and evaluation of organizational goals and work products.

Cooperative Education (Co-op) Students earn credit while gaining relevant work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for future employment. Contact Jamie Kelsch, Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschi@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 7 annually

Statewide openings - 63 annually

Lane County average hourly - \$30.32; average annually - \$63,057

Oregon average hourly - \$30.71; average annually - \$63,872

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$2,040
Computers/Internet Service	\$1,500
Resident Tuition and General Student Fees	\$12,620

Total Estimated Cost \$16,160

- An approved 3-credit Health class can be substituted for the PE requirements. Please speak with your academic advisor.
- All program core courses (BA, BT) must be taken for a letter grade, and must be completed with a grade of "C" or better to meet program requirements. See course listings for prerequisites
- Foundational Requirements (writing, math, communication and Health/Wellness/Fitness courses) may be completed with a grade of "C-" or a "Pass"
- These courses may only be offered once per year. Check the schedule below for required terms. BA222 Finance BA224 Human Resource Management BA250 Small Business Management BT144 Administrative Procedures BT170 Payroll Rec & Actng BT181 Customer Service BT221 Budgeting for Managers

First Year	Fall
WR121 Academic Composition or WR121_H Academic Composition BT 108 Business Proofreading and Editing	4
BT 120 MS WORD for Business	4 5
	Winter
MTH 105 Math in Society or higher	4
BA 101 Introduction to Business	4
BT 123 MS EXCEL for Business	4
	Spring
Choice of:	
BA211 Financial Accounting	4
BT165 Intro to the Accounting Cycle BA 214 Business Communications	4
BT 206 Co-op Ed: Business Seminar	2
BA 206 Management Fundamentals	4
Physical Education Requirement	1

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Second Year	Fall
BA 222 Financial Management	4
BA 281 Personal Finance	4
BA 223 Marketing	4
Physical Education Requirement	1
Directed Elective	3 - 4
	Winter
General Elective	4
BA 278 Leadership & Team Dynamics	4
Directed Elective	3 - 4
BA 226 Business Law	4
	Spring
Physical Education Requirement	1
BT 291 Operations Management	4
Directed Elective	4
BA 280 Co-op Ed: Business Management	3
Directed Elective	4
Directed Electives	
BT 181 Customer Service	4
BA 238 Sales	3
BT 253 Digital Marketing	4
	4
BT 221 Budgeting for Managers	4
BT 150 Business Web Pages with WordPress	3
BT 170 Payroll Records & Accounting	4
BT 230 Sustainable Paperless Office Practices using	4
Adobe Acrobat	4
BT 144 Administrative Procedures	4
BA 224 Human Resource Management	4
Dr ( 22-7 Framail 11030uroc Mariagoriicitt	

## **Commercial Unmanned Aerial Systems**

PENDING STATE APPROVAL: This Associate of Applied Science program is intended to prepare students for successful careers as commercial Unmanned Aerial Systems (UAS) operators. Please contact the Aviation Academy for information at 541.463.4195

### **Aerial Photography**

PENDING STATE APPROVAL: This Career Pathway Certificate program is intended to prepare students for successful careers as commercial Unmanned Aerial Systems (UAS) operators. Please contact the Aviation Academy for information at 541.463.4195

## Unmanned Aerial Systems: Geographic Information Science

PENDING STATE APPROVAL: This Career Pathway Cerificate program is intended to prepare students for successful careers as commercial Unmanned Aerial Systems (UAS) operators. Please contact the Aviation Academy for information at 541.463.4195

## **Computer Information Systems**

This program is being discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

## Computer Information Systems: Accounting Applications Option

This program is being discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

## Computer Information Systems: Geographic Information Systems Option

This program is being discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

## Computer Information Systems:Programming Option

This program is being discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

## **Computer Network Operations**

Offered by the Computer Information Technology Department, 541.463.5221

**Associate of Applied Science Degree** 

Career Pathway Certificate - Computer Network Monitoring and Management

**Career Pathway Certificate - Computer Network Security** 

**Program Coordinator** Joseph Colton, Bldg. 19, Room 144, 541.463.5249, *coltonj@lanecc.edu* 

Purpose To train entry-level network support technicians and more advanced network administrators in specific computer networking skills and general troubleshooting of hardware and software related problems.

**Learning Outcomes** The student who successfully completes all Computer Network Operations requirements will:

- install and configure workstations and servers.
- install and configure internetworking devices such as switches and routers.
- install and configure a variety of network operating systems and provide for interoperability between them.
- administer an organization's computer network infrastructure.
- demonstrate an understanding of network security issues and tools.
- demonstrate an understanding of the basic features of wireless networking.
- develop skills for doing network performance monitoring.
- interpret the concepts of a computer network related problemsolving task.
- use appropriate library and information resources to research network management issues and tools and support lifelong technical learning.

Cooperative Education (Co-op) Co-op is a required and important part of the Computer Network Operations program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the computer network field. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 154, 541.463.5883.

#### Job Openings Projected through 2020

Lane County openings - 18 annually

Statewide openings - 256 annually

Lane County average hourly - \$21.93; average annual - \$45,632 Oregon average hourly - \$25.12; average annual - \$52,261

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,501
Program Specific Fees	\$208
Resident Tuition and General Student Fees	\$11,609
-	

Total Estimated Cost \$13,318

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed for a letter grade of C-, except for the Communications, Writing, Math, PE/Health, and Human Relations requirements and CS 206 which may be completed with a "Pass" grade.
- Students planning to pursue a bachelor's degree in Computer Science are advised to also complete the following courses in mathematics: MTH 111 College Algebra and MTH 231, 232, 260 Discrete Mathematics 1, 2, 3.
- The Computer Network Operations degree contains 3 secondyear CS/CIS/GIS electives. Students may want to consider using electives to take a sequence of courses from the Network Security certificate curriculum, or from one of the other degrees or certs.
- For more information about electives, students should contact the program lead to help determine what elective courses best fit their goals.
- Second Year Requirements A personal laptop is recommended for second-year students in the degree program. Please contact the Program Lead for options and system requirements.
- Instead of CS 133P and CS 233P the student may take any two required programming courses that are a sequence from one of the other CIT degree programs: - CS 161C+ and CS 162C+ - CS 133JS and CS 233JS - CS 133 N and 233N - CS 275 and CS 276

First Year	Fall
Elective: CIS 140W Introduction to Operating Systems:	
Windows Clients	4
CIS 100 Computing Careers Exploration	1
CS 179 Introduction to Computer Networks	4
Choice of:	
MTH 082 Math for Network Operations -	
MTH 111 College Algebra or higher	4 - 5
	Winter
CS 240W Advanced Windows: Server Management	4
CS 133P Beginning Programming: Python	4
CS 206 Co-op Ed: Computer Information Technology	
Seminar	2
PE/Health Requirement	3
CS 279 Essentials of Network Administration	4
	Spring
Human Relations Requirement - CG 203 Human	
Relations at Work	3
CS 233P Intermediate Programming: Python	4
CS 273 Introduction to Virtualization and Cloud	
Computing	4
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition - Honors	4
Second Year	Fall
CIS 125D Software Tools 1: Databases	4
CIS 140U Introduction to Unix/Linux	4
CS 284 Network Security Fundamentals	4
CS/CIS/GIS/Math Elective - CS188 Wireless	
Networking	4
Ü	Winter
Choice of:	
CIS 225 Computer End-User Support	
CIS 245 Project Management	4
WR 227 Technical Writing	4
CS 289 Cisco Router and Switch Administration	4

CS 240U Advanced Unix/Linux: Server Management.......

	Spring
CS 280CN Co-op Ed: Computer Network Operations	3
CS/CIS/GIS/Math Elective - CS 285 Operating Systems	
Hardening	4
CS/CIS/GIS/Math Elective - CS 286 Firewalls and VPNs	4
CS 288 Network Monitoring and Management	4

## **Computer Network Monitoring and Management**

Offered by the Computer Information Technology Department, 541.463.5221

#### **Career Pathway Certificate**

Program Coordinator Joseph Colton, Bldg. 19, Room 144, 541.463.5249, coltonj@lanecc.edu

Purpose Prepare graduates to manage and monitor modern network operating systems and the services provided by current, industry-standard platforms, including troubleshooting and proactive management for growth.

Learning Outcomes The student who successfully completes all Computer Network Monitoring and Management requirements will:

- understand the performance fundamentals required to keep computer networks efficient.
- install and configure Windows and Linux servers and Cisco routers and switches.
- identify sources of network performance problems and resolve them.
- implement the SNMP protocol on various networked devices.
- understand the importance of proactive management and planning for growth.
- install and configure an enterprise network monitoring package to track performance and availability of services.
- learn how to implement event handlers and notification/alert systems.
- learn to use protocol analysis software to monitor traffic and solve network problems.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

• All courses must be completed with a letter grade of "C-" or better.

CS 240W Advanced Windows: Server Management	4
CS 240U Advanced Unix/Linux: Server Management	4
CS 288 Network Monitoring and Management	4
CS 289 Cisco Router and Switch Administration	4

## **Computer Network Security**

Offered by the Computer Information Technology Department, 541.463.5221

#### **Career Pathway Certificate**

Program Coordinator Don Easton, Bldg.19 Rm. 148

**Purpose** To train those who already have networking skills to secure workstations, servers, and other networking devices.

**Learning Outcomes** The student who successfully completes all Computer Network Security requirements will:

- understand the security fundamentals required to help safeguard computer networks.
- implement wireless network security protections.
- identify and counteract attacks on workstations, servers, and other networking devices.
- identify vulnerabilities, discuss their resolutions, and generate vulnerability reports.
- install and utilize various security industry accepted tools.

- · install and configure firewalls and VPNs.
- troubleshoot security issues and implement and test resolutions.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

 All courses must be completed with a letter grade of "C-" or better.

CS 188 Wireless Networking	4
CS 284 Network Security Fundamentals	4
CS 285 Operating System Hardening	4
CS 286 Firewalls and VPNs	4

## **Computer Programming**

Offered by the Computer Information Technology Department, 541.463.5221

**Associate of Applied Science Degree** 

Career Pathway Certificate - Database Specialist

**Career Pathway Certificate - Front End Web Development** 

Career Pathway Certificate - Mobile Application Development

Program Coordinator Mari Good, Bldg. 19, Rm. 158, 541.463.5838, goodm@lanecc.edu

**Purpose** To prepare technicians for entry-level positions as software developers.

**Learning Outcomes** The student who successfully completes all Computer Programming requirements will:

- design, implement, test, debug and document web based computer programs using a variety of current tools and technologies.
- design, implement, test, debug and document at least one other type of computer program such as: game program, database program, object-oriented program.
- understand the relationship between computer programs and organizational processes.
- interpret the mathematical concepts of a programming related problem-solving task and translate them into programming logic and expressions.
- use appropriate library and information resources to research programming tools and technologies and support lifelong technical learning.

Cooperative Education (Co-op) Co-op is a required and important part of the Computer Programming Degree program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the computer programming field. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

#### Job Openings Projected through 2020

Lane County openings - 11 annually

Statewide openings - 170 annually

Lane County average hourly - \$30.01; average annual - \$63,046

Oregon average hourly - \$48.26; average annual - \$79,570

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books\$2,809Program Specific Fees\$208Resident Tuition and General Student Fees\$11,728

Total Estimated Cost \$14,745

- Prerequisites are required for some courses. See course descriptions.
- Communications, Writing, Math, PE/Health, and Human Relations requirements and CS 206 may be completed with a 'Pass' grade.
- CS 133N, CS 233N, and CS 234N must be completed for a letter grade of B-. All other courses must be completed for a letter grade of C-.
- For more specific information about the Fall/Winter/Spring CS/ CIS/GIS elective sequences please contact the Program Lead to help determine which elective sequence best fits your goals.
- Programming majors are strongly advised to take CS 295P Web Development 1: PHP and CS 296P Web Development 2: PHP electives.
- Students who complete the Computer Programming Degree will have completed all of the coursework to earn the Database Specialist Career Pathway Certificate.
- Second Year Requirements A personal laptop is recommended for second-year students in the degree program. Please contact the Program Lead for options and system requirements.

First Year	Fall
Communications Elective choice of:	
COMM100 Basic Communications	
COMM111 Fundamentals of Public Speaking	
COMM112 Persuasive Speech	
COMM130 Business and Professional Speech	
COMM219 Small Group Communication	
COMM220 Communication, Gender and Culture	4
CIS 100 Computing Careers Exploration	1
CS 133N Beginning Programming: C#	4
CIS 195 Web Authoring 1	4
PE/Health requirement	3
	Winter
CG 203 Human Relations at Work	3
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition - Honors	4
ART 216 Digital DesignTools	3
CS 233N Intermediate Programming C#	4
CS 133JS Beg. Programming: JavaScript	4
	Spring
MTH 095 Intermediate Algebra or higher	5
CS 233JS Intermediate Programming: JavaScript	4
CIS 125D Software Tools 1: Databases	4
CS 234N Advanced Programming: C#	4
Second Year	Fall
CS/CIS/GIS Elective	4
CIS 244 Systems Analysis	4
CS 295N Web Development 1: ASP.NET	4
WR 227 Technical Writing	4
CS 206 Co-op Ed: Computer Information	
Technology Seminar	2
	Winter
CS 275 Database Systems and Modeling	4
CS 296N Web Development 2: ASP.NET	4
CS 246 System Design	4
CS/CIS/GIS Elective	4
	Spring
CS/CIS/GIS Elective	4
CS 280PR Co-op Ed: Computer Programming	3
CS 276 Database SQL Programming	4
CS 297 Programming Capstone	4

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

### **Database Specialist**

Offered by the Computer Information Technology Department, 541.463.5221

#### **Career Pathway Certificate**

Program Coordinator Mari Good, Bldg. 19, Rm. 158, 541.463.5838, goodm@lanecc.edu

Purpose To prepare technicians for entry-level positions as database specialists.

#### Learning Outcomes The certificate recipient will:

- design, implement, test, debug and document relational database systems using a variety of current tools and technologies.
- understand the use of database to support organizational processes.
- translate database related problems into SQL logic and expressions.
- use appropriate library and information resources to research database technologies and support lifelong technical learning.

#### **Course Requirements**

- All courses must be completed with a letter grade of 'C-' or better
- Prerequisites are required for some courses. See course descriptions

CIS 125D Software Tools 1: Databases	4
CIS 244 Systems Analysis	4
CS 275 Database Systems and Modeling	4
Choice of: - CIS276R Data Integration, Analytics and	
Reporting - CS276 Database SQL Programming	4

### **Front End Web Development**

Offered by the Computer Information Technology Department

#### **Career Pathway Certificate**

**Program Coordinator** Mari Good, Bldg. 19, Rm. 158, 541.463.5838, *goodm@lanecc.edu* 

Purpose This program of 6 courses will provide students with the opportunity to develop the knowledge and skills necessary to become an entry level front-end web developer. A frontend web developer is responsible for implementing visual and interactive elements that users engage with through their web browser when using a web application. Students who complete this program will have strong skills in the following frontÂend web development technologies: HTML, CSS, object oriented programming and JavaScript programming. They will also have been exposed to several JavaScript frameworks that are used in modern front-end development.

**Learning Outcomes** The student who successfully completes all Front End Web Development requirements will:

- · design and build attractive web sites using HTML and CSS.
- design and build interactive web sites using client-side JavaScript.
- design and build interactive web sites using modern JavaScript features, libraries and frameworks.
- understand and apply object oriented programming concepts.
- evaluate your own web site implementation work and the work of other students. Provide constructive feedback orally and in writing.

*Course fees may change during the year.	See the	e online	credit	class
schedule for fees assigned to courses.				

CIS 195 Web Authoring 1	4
CS 133JS Beg. Programming: JavaScript	4
CS 233JS Intermediate Programming: JavaScript	4

CS 133N Beginning Programming: C#	4
CS 233N Intermediate Programming C#	4
ART 216 Digital Design Tools	3

### **Mobile Application Development**

Offered by the Computer Information Technology Department, 541.463.5221

#### **Career Pathway Certificate**

**Program Coordinator** Brian Bird, Bldg. 19, Rm. 152, 541.463.3024, birdb@lanecc.edu

**Purpose** To prepare technicians for entry-level positions as mobile application programmers.

**Learning Outcomes** The student who successfully completes all Mobile Application Development requirements will:

- design, implement, test, debug and document mobile application based computer programs using a variety of current tools and technologies.
- understand the use of mobile application programming to support organizational processes.
- interpret the mathematical concepts of a programming related problem-solving task and translate them into programming logic and expressions.
- use appropriate library and information resources to research programming tools and technologies and support lifelong technical learning.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of 'C-' or better.
- Students completing the Computer Programming AAS degree must complete CS 133N and CS 233N with a letter grade of 'B-' or better.

CS 133N Beginning Programming: C#	4
CS 233N Intermediate Programming C#	4
CS 235IM Introduction to Mobile Applications	
Development: IOS	4
CS 235AM Intermediate Mobile Application	
Development: Android	4

## **Computer Simulation and Game Development**

Offered by the Computer Information Technology Department, 541.463.5221

**Associate of Applied Science Degree** 

Associate of Applied Science Degree Option - Computer Simulation and Game Development: Art Option

**Program Coordinator** Jim Bailey, Bldg. 19, Rm. 146, 541.463.3148, baileyj@lanecc.edu

Purpose To prepare students for entry-level positions in the simulation and game development industries or to transfer to a four-year school for additional education.

Learning Outcomes The student who successfully completes all Computer Simulation and Game Development requirements will:

- create computer simulations or games using industry standard development tools.
- design, program, test, debug and document computer simulation or game programs using a variety of current tools and technologies.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- develop programming knowledge and skills with a current commercial programming language.
- develop skills and knowledge in computer animation using industry standard tools.
- learn mathematical concepts related to simulation and game development and use those concepts in class projects.
- use appropriate library and information resources to research simulation and game development issues, programming tools and technologies and to support lifelong technical learning.

Cooperative Education (Co-op) Co-op is a required and important part of the Computer Simulation and Game Development Degree program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the computer programming field. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

#### Job Openings Projected through 2020

Lane County openings - 11 annually

Statewide openings - 170 annually

Lane County average hourly - \$30.31; average annual - \$63,046

Oregon average hourly - \$38.26; average annual - \$79,570

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,468
Computers/Internet Service	\$1,500
Program Specific Fees	\$208
Resident Tuition and General Student Fees\$	12,320

Total Estimated Cost \$15,496

E-11

#### **Course Requirements**

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- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed for a letter grade of C-, except for the Writing, Math, PE/Health, and Human Relations requirements and CS 206 which may be completed with a 'Pass' grade.
- Second Year Requirements A personal laptop is required for second-year students in the degree program. If you receive financial aid, some of those funds may be used for this purchase. Please contact the Program Lead for options and system requirements.

First Year	Fall
CIS 100 Computing Careers Exploration	1
CIS 125G Software Tools 1: Game Development	4
CS 161C+ Computer Science 1	4
Directed Elective	3
Directed Elective	3
	Winter
Choice of:	
MTH112Trigonometry	
MTH251 Calculus 1	
MTH231 Discrete Mathematics 1	4 - 5
FA 221 Computer Animation	4
CS 162C+ Computer Science 2	4
ART 245 Drawing for Media	4
	Spring
CS 233N Intermediate Programming C#	4
CIS 126 Game Design: Principles and Practices	4
FA 222 Computer Animation 2	4
Directed Elective	3
Second Year	Fall
CS 260 Data Structures 1	4
CS 206 Co-op Ed: Computer Information Technology	

SeminarWR121 Academic Composition or WR121_H	2
Academic Composition	4
PE/Health Requirement	3
CIS 135G Software Tools 2: Game Development	4
	Winter
CS 246 System Design	4
Communication Requirement	4
Choice of:	
WR 227 Technical Writing	
FA 261 Writing for Interactive Design	3
Choice of:	
CS 235AM Intermediate Mobile App Dev: Android	
CS 235IM Intermediate Mobile App Dev: IOS	4
	Spring
CG 203 Human Relations at Work	3
Directed Elective	3
CS 280GD Co-op Ed: Computer Simulation &	
Game Development	3
CS 297 Programming Capstone	4
Directed Electives	
ART 117 Basic Design: 3-Dimensional	3
ART 234 Drawing: Figure	3
ART 293 Sculpture: Figure	3
MUL 119 Introduction to Animation	3
MUL 223 Digital Sculpting and Texture	3
MUL 103 Time-Based Tools	4
AUD 120 Audio Production	4
MUS 118 MusicTechnology MIDI/Audio 1	4
MUS 119 Music Technology MIDI/Audio 2	4
CS 133N Beginning Programming: C#	4
CS 234N Advanced Programming: C#	4
CS 133P Beginning Programming: Python	4
CS 233P Intermediate Programming: Python	4

## Computer Simulation and Game Development: Art Option

Offered by the Computer Information Technology

**Associate of Applied Science Degree Option** 

**Program Coordinator** Jim Bailey, Bldg. 19, Rm. 146, 541.463.3148, baileyj@lanecc.edu

**Purpose** Students completing the Computer Simulation and Game Development: Art Option will be prepared for positions working as artists for computer game development companies. Their skills will be general enough that they can also get jobs in animation or as graphic artists.

**Learning Outcomes** The student who successfully completes all Computer Simulation and Game Development: Art Option requirements will:

- create computer simulations or games using industry-standard development tools.
- become proficient in developing and applying effective visual design and production strategies for creating concept art, 3D models, and animations, for business, education, and entertainment industries.
- understand the concepts, potential, and implications of communicating ideas using interactive media technologies.
- develop skills and knowledge in computer animation using industry-standard tools.
- design, create, and test state machines to control animations for simulation or game programs using a variety of industrystandard tools and technologies.
- use appropriate library and information resources to research simulation and game development issues, to design tools and technologies, and to support lifelong technical learning.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Cooperative Education (Co-op) Co-op is a required and important part of this program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the computer programming field. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

#### Job Openings Projected through 2020

Lane County openings - 11 annually

Statewide openings - 170 annually

Lane County average hourly - \$30.31; average annual - \$63,046

Oregon average hourly - \$38.26; average annual - \$79,570

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,345
Computers/Internet Service	\$1,500
Program Specific Fees	\$208
Resident Tuition and General Student Fees	\$10,726

Total Estimated Cost \$13,779

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed for a letter grade of C-, except for the Communications, Writing, Math, PE/Health, and Human Relations requirements and CS 206 which may be completed with a 'Pass' grade.
- Second Year Requirements A personal laptop is required for second-year students in the degree program. If you receive financial aid, some of those funds may be used for this purchase. Please contact the Program Lead for options and system requirements.

First Year Choice of:	Fall
MTH 060 Beginning Algebra	
MTH 065 Elementary Algebra MTH 070 Introductory Algebra	
MTH 095 Intermediate Algebra	
MTH 111 College Algebra or any 200 level or	_
higher Mathematics course	4
ART 216 Digital Design Tools	3
WR 121 Academic Composition or higher	4
	Winter
CIS 100 Computing Careers Exploration	1
MUL 212 Digital ImagingFA 221 Computer Animation	4
ART 286 Sculpting for Animators	3
PE/Health Requirement	3
	Spring
CIS 125G Software Tools 1: Game Development	4
CIS 126 Game Design: Principles and Practices	4
ART 245 Drawing for MediaFA 222 Computer Animation 2	4
Second Year	Fall
Directed Elective	3
CIS 135G Software Tools 2: Game Development	4
ART 116 Basic Design: Color	3
Seminar	2
CG 203 Human Relations at Work	3
	Winter
Directed Elective	3
Directed Elective	3

Choice of: WR 227 Technical Writing	
FA 261 Writing for Interactive Design	3
MUL 223 Digital Sculpting and Texture	3
CS 246 System Design	4
<b>3</b>	Spring
Directed Elective	3
CS 280GD Co-op Ed: Computer Simulation &	Ü
Game Development	3
MUL 208 Motion Capture for Animation	4
CS 297 Programming Capstone	4
Directed Electives	
ART 117 Basic Design: 3-Dimensional	3
ART 234 Drawing: Figure	3
ART 293 Sculpture: Figure	3
MUL 223 Digital Sculpting and Texture	3
MUL 119 Introduction to Animation	3
MUL 103Time-Based Tools	4
AUD 120 Audio Production	4
(Taught Elsewhere)	
MUS 118 MusicTechnology MIDI/Audio 1	4
MUS 119 MusicTechnology MIDI/Audio 2	4
CS 133N Beginning Programming: C#	4
CS 233N Intermediate Programming C#	4
CS 234N Advanced Programming: C#	4
CS 133P Beginning Programming: Python	4
CS 233P Intermediate Programming: Python	4

## **Construction Technology**

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

**One-Year Certificate of Completion - Construction Technology** 

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To train students in the technical skills and knowledge of the construction industry. The graduate of this program can expect to work in the residential and commercial building construction field.

Learning Outcomes Upon completion of this degree, the graduate will:

- · demonstrate basic carpentry skills for the construction industry.
- cut, fit, and assemble wood and other materials for building construction.
- · demonstrate and use industry safety standards.
- use blueprint reading skills necessary to the profession.
- demonstrate knowledge of laser level and field elevations.
- be adequately prepared to enter the workforce in the field of construction.
- use appropriate library and information resources to research professional issues.
- interpret the concepts of a problem-solving task and translate them into mathematics.

Admission Information See Ianecc.edu/advtech/cst or contact the Advanced Technology Division, AdvTechPrograms@Ianecc.edu

**Advising and Counseling** *classes.lanecc.edu/course/view. php?id=31255* 

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Construction Technology Co-op Coordinator and with instructor consent, a maximum

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

of 18 Co-op credits may be earned in lieu of required Construction Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078. fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 34 annually

Statewide openings - 590 annually

Lane County average hourly - \$24.68; average annual - \$51,333

Oregon average hourly - \$23.37; average annual - \$48,600

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Wobolto for apaatoa taition.	
Books	\$1,720
Instruments/Tools	\$250
Program Specific Fees	\$450
Resident Tuition and General Student Fees	\$12,174

Total Estimated Cost \$14,594

Fall

#### **Course Requirements**

First Vas

- All CST and MTH courses must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- WR and PE/Health requirement must be passed with a Pass or "C-" or better to fulfill program requirements.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- See course descriptions for prerequisite and corequisite information.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
CST 118A Building Construction A	5
CST 110 Blueprint Reading 1	3
CST 111 Construction Orientation and Environment	2
MTH 085 Applied Geometry for Technicians	4
CS 120 Concepts of Computing: Information Processing	4
	Winter
CST 118B Building Construction B	5
WR 115 Introduction to College Composition	4
CST 122 Construction Codes	2
CST 211 Blueprint Reading 2	3
PE/Health Elective	3
	Spring
CST 118C Building Construction C	5
CST 116 Construction Estimating	4
CST 119 Building Construction Surveying	3
Human Relations Requirement	3
Second Year	Fall
	Fall 4
Second Year  DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)	
DRF 160 Computer-Aided Drafting and Design	4
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)	4
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement	4 4 3
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement  CST 280 Co-op Ed: Construction	4 4 3 3
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement	4 4 3 3 Winter
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement  CST 280 Co-op Ed: Construction  Directed Electives (see list of courses below)	4 4 3 3 <b>Winter</b> 6
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement	4 4 3 3 <b>Winter</b> 6
DRF 160 Computer-Aided Drafting and Design  Directive Elective (see list of courses below)  Arts and Letters Requirement	4 4 3 3 <b>Winter</b> 6
DRF 160 Computer-Aided Drafting and Design	4 4 3 3 Winter 6 3
DRF 160 Computer-Aided Drafting and Design	4 4 3 3 Winter 6 3
DRF 160 Computer-Aided Drafting and Design	4 4 3 3 3 Winter 6 3
DRF 160 Computer-Aided Drafting and Design	4 4 3 3 3 Winter 6 3 3 Spring

Computer Science course	
Social Science/Human Relations requirement	3
Directed Electives (see list of courses below)	8
Directed Electives	
APR 101 Trade Skills Fundamentals	4
BA 101 Introduction to Business	4
BT 165 Introduction to the Accounting Cycle	4
DRF 205 Drafting: Structures	4
WLD 121 Shielded Metal Arc Welding 1	1 - 4
WLD 122 Shielded Metal Arc Welding 2	1 - 4
MTH 070 Introductory Algebra	5
MTH 075 Applied Algebra for Technicians	4
MTH 095 Intermediate Algebra	5
DRF 210 Commercial Buildings	4
DRF 220 Building Information Modeling	4
DRF 207 Drafting: Strength of Materials	4
APR 106 Plumbing Trade Introduction	2
CST 201 Sustainable Building Practices	3
APR 105 Electrical Wiring for the Trades	4
ET 129 Electrical Theory 1	4
ET 130 Electrical Theory 2	4

### **Construction Technology**

Offered by the Advanced Technology Division, 541.463.5380

**One-Year Certificate of Completion** 

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To train students in the technical skills and knowledge of the construction industry. The graduate of this program can expect to work in the residential and commercial building construction field.

Learning Outcomes The graduate of the one-year certificate will:

- demonstrate basic carpentry skills for the construction industry.
- cut, fit, and assemble wood and other materials for building construction.
- demonstrate and use industry safety standards.
- use blueprint reading skills necessary to the profession.
- demonstrate knowledge of laser level and field elevations.
- be adequately prepared to enter the workforce in the field of construction.

Admission Information See *lanecc.edu/advtech/cst* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

**Advising and Counseling** classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Construction Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits may be earned in lieu of required Construction Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 26 positions

Statewide: 579 positions

Lane County average hourly - \$16.30; average annual - \$33,889

Oregon average hourly - \$18.53; average annual - \$38,538

Costs Estimates based on 2017-18 data for full-time students.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$900
Instruments/Tools	\$250
Program Specific Fees	\$160
Resident Tuition and General Student Fees	\$6,339

Total Estimated Cost \$7,649

#### **Gainful Employment Disclosure**

#### 47-2061.00

Standard Occupational Classification: 47-2061.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Construction Laborers Onetonline.org/link/summary/47-2061.00 Or check on these O\*Net Related Occupations: Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters onetonline.org.link/summary/47-3011.00

In academic year 2014-15, 6 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- All CST and MTH courses must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- WR and PE/Health requirement must be passed with a "C-" or better to fulfill program requirements.
- See course descriptions for prerequisite information.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Fall

CST 110 Blueprint Reading 1	3 2 4 5
	Winter
CST 122 Construction Codes	2
CST 211 Blueprint Reading 2	3
PE/Health Elective	3
CST 118B Building Construction B	5
WR 115 Introduction to College Composition	4
Wh 115 introduction to College Composition	4
	Spring
CST 116C Construction Estimating C	4
CST 119 Building Construction Surveying	3
Human Relations Requirement	3
CST 118 Building Construction	5

## **Construction Trades, General Apprenticeship**

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

One-Year Certificate of Completion - Construction Trades, General Apprenticeship

Career Pathway Certificate - Trade Worker Apprenticeship Technologies

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu.

Purpose To provide a structured system of training in construction trades or occupations, leading to certification and journey-level status, only for apprentices who are sponsored by individual employers, accepted by a Joint Apprenticeship Training Committee, and registered with the State of Oregon Bureau of Labor and Industries.

#### Learning Outcomes The graduate will:

- perform the duties and responsibilities of the individual construction trade/occupation.
- apply theory as it relates to trade competencies.
- demonstrate and use industry safety standards.
- utilize recognized standard building codes guidelines as applicable.
- prepare and utilize isometric sketching and detailed drawings per individual trade.
- develop attitudes conducive to improved customer relations skills in the construction trades.
- demonstrate communication and critical thinking skills necessary for job advancement.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- access library, computing, and communications services, and appropriately select information and data from regional, national, and international networks.
- represent, analyze and determine rules for finding patterns relating to linear functions, non-linear functions and arithmetic sequences with tables, graphs, and symbolic rules.
- adapt to new job requirements to qualify for advancement in becoming lead supervisors.
- complete 8000 hours State of Oregon-approved on-the-job training.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. In addition, the Oregon community college Construction Trades, General Apprenticeship pathway provides statewide transfer opportunities, laddered certificates of completion, and an optional transfer path into Oregon Institute of Technology Bachelor of Science degree in Operations Management or Bachelor of Applied Science degree in Technology and Management. The Construction Trades, General Apprenticeship pathway includes an advising guide with a set of recommended courses that satisfy both the AAS degree and the OregonTransfer Module (OTM). Students who complete the recommended set of OTM courses may apply for 45 credits of guaranteed block transfer to any other community college. Licensing or Other Certification: HVAC technician/installer and plumber trades require successful completion of trade-specific

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

licensure examinations through the Oregon Building Codes Division.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Information is available at *boli.state.or.us*.

Advising and Counseling lanecc.edu/advising/advisors

#### Job Openings Projected through 2020

#### Carpenter

Lane County openings - 34 annually Statewide openings - 590 annually

#### **HVAC**

Lane County openings - 6 annually Statewide openings - 95 annually

#### Plumber

Lane County openings - 9 annually Statewide openings - 143 annually

#### **Sheet Metal**

Lane County openings - 6 annually Statewide openings - 97 annually

#### Carpenter

Lane County average hourly - \$24.68; average annual - \$51,333 Oregon average hourly - \$23.37; average annual - \$48,600

#### **HVAC**

Lane County average hourly - \$23.46; average annual - \$48,797 Oregon average hourly - \$24.85; average annual - \$51,686

#### Plumber

Lane County average hourly - \$30.30; average annual - \$63,012 Oregon average hourly - \$36.24; average annual - \$75,372

#### **Sheet Metal**

Lane County average hourly - \$26.07; average annual - \$54,218 Oregon average hourly - \$24.77; average annual - \$51,541

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,400
Resident Tuition and General Student Fees	\$10,100

Total Estimated Cost \$11,500

#### **Course Requirements**

- complete 8000 hours State of Oregon-approved on-the-job training and provide a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD Certificate of Completion
- demonstrate an equivalency of 90 credit hours, with a minimum of 24 credits at Lane, including the last term at Lane
- complete all requirements for an AAS degree as listed below.
- earn a cumulative grade point average above 2.0 at Lane or transfer credits earned at other regionally accredited colleges or universities
- WR 115W and MTH 060 must be completed with a grade of "Pass" or "C-" or better.
- See AAS degree page for choices in Arts and Letters, Human Relations, and Science/Math/Computer Science.

#### **General Education**

3
3
3

Human Relations requirement	3
Arts and Letters requirement Human Relations/Social Science requirement Science/Math/Computer Science requirement	3
MTH 060 Beginning Algebra or higher	4
Carpenter (36 credits)	
APR 115 Carpentry Skill FundamentalsAPR 116 Carpentry Framing FundamentalsAPR 117 Carpentry Framing and Introduction to	3
APR 118 Carpentry Framing and Finishing  APR 119 Carpentry Commercial Plans and Exterior	3
Finish	3
APR 201 Corporate Paging and Prostings	3
APR 201 Carpentry Basic Rigging and PracticesAPR 202 Carpentry Concrete Practices	3
APR 203 Carpentry Forms and Tilt-up Panels	3
APR 204 Carpentry Advanced Layout and Building	
APR 205 Carpentry Advanced Planning and Management	3
APR 206 Carpentry Equipment and Site Layout	3
HVAC Technician/Installer (41-44 credits)	
APR 101ATrade Skills Fundamentals	4
APR 172 Sheet Metal/HVAC/R Blueprint ReadingAPR 210 HVAC Systems 1	3 4
APR 211 HVAC Systems 2	4
APR 212 HVAC Systems 3	4
APR 220 Electrical Apprenticeship Code and Exam Preparation	6 - 9
APR 190 Electrical Theory 1	6-9
APR 191 Electrical Theory 2	4
APR 285 Motors	4
APR 286 Motors 2	4
Plumber (40 credits)	
APR 160 Plumbing Skill FundamentalsAPR 161 Plumbing Materials & Fixtures	4
APR 162 Plumbing Basic Waste Water Systems	2
APR 163 Plumbing Calculations & Print Reading	4
APR 164 Plumbing Basic Installation 1	4
APR 165 Plumbing Basic Installation 2APR 260 Plumbing Water Supply Systems	2 4
APR 261 Plumbing Piping Sizing and Systems	4
APR 262 Plumbing Advanced Waste Systems	2
APR 263 Plumbing Code and Test Preparation	10
Sheet Metal Worker (46 credits)	
APR 170 Introduction to Cheet Metal Appropriacehin	4
APR 170 Introduction to Sheet Metal Apprenticeship APR 171 Sheet Metal Basic Layout	4
APR 172 Sheet Metal/HVAC/R Blueprint Reading	3
APR 270 Architectural Sheet Metal	4
APR 271 Sheet Metal Building Codes and Installation APR 272 Sheet Metal Duct Design	4
APR 273 General Sheet Metal Fabrication	4
	4
APR 274 Sheet Metal Shop Fabrication	-
MTH 085 Applied Geometry for Technicians	4
MTH 085 Applied Geometry for TechniciansAPR 185 Shielded Metal Arc Welding 1	-
MTH 085 Applied Geometry for Technicians	4
MTH 085 Applied Geometry for Technicians	4 1 2
MTH 085 Applied Geometry for Technicians	4 1 2
MTH 085 Applied Geometry for Technicians	4 1 2
MTH 085 Applied Geometry for Technicians	4 1 2 4 5 1 - 4
MTH 085 Applied Geometry for Technicians	4 1 2 4 5 1 - 4 1 - 3
MTH 085 Applied Geometry for Technicians	4 1 2 4 5 1 - 4

Processing.....

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

APR 101 Trade Skills Fundamentals	4
CST 110 Blueprint Reading 1	3
CST 111 Construction Orientation and Environment	2
CST 116 Construction Estimating	4
CST 119 Building Construction Surveying	3
HE 152 Drugs, Society and Behavior	3
HE 252 First Aid	3
MTH 085 Applied Geometry for Technicians	4
MTH 095 Intermediate Algebra	5
NRG 103 Sustainability in The Built Environment	3
NRG 121 Air Conditioning System Analysis	3
NRG 124 Energy Efficiency Methods	4
NRG 158Thermal Design and Installation 1	4
NRG 159Thermal Design and Installation 2	4
WATR 101 Introduction to Water Resources	3
WLD 122 Shielded Metal Arc Welding 2	1 - 4
WLD 143 Wire Drive Welding 1	1 - 4

## Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division (22 credits)

State of Oregon Apprenticeship Training Journey-level	
card or BOLI-ATD Certificate of Completion	22

## Construction Trades, General Apprenticeship

Offered by the Advanced Technology Division, 541.463.5380

**One-Year Certificate of Completion** 

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu.

**Purpose** Students may earn a Certificate of Completion in Construction Trades, General Apprenticeship by successfully completing 36-46 core related training credits with a grade of "C" or better in all courses, and completing related instruction in communications, computation, and human relations.

#### Learning Outcomes The graduate will:

- · apply theory as it relates to trade competencies.
- perform the duties and responsibilities of the individual construction trade/occupation.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. Licensing or Other Certification Exams: HVAC technician/installer and plumber trades require successful completion of trade-specific licensure examinations through the Oregon Building Codes Division.

**Admission Information** Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries. Information is available at *boli.state.or.us*.

Advising and Counseling lanecc.edu/advising/advisors

#### **Job Openings Projected through 2020**

#### Carpenter

Lane County openings - 34 annually Statewide openings - 590 annually

#### **HVAC**

Lane County openings - 6 annually Statewide openings - 95 annually

#### **Plumber**

Lane County openings - 9 annually Statewide openings - 143 annually

#### **Sheet Metal**

Lane County openings - 6 annually Statewide openings - 97 annually

#### Carpenter

Lane County average hourly - \$24.68; average annual - \$51,333 Oregon average hourly - \$23.37; average annual - \$48,600

#### **HVAC**

Lane County average hourly - \$23.46; average annual - \$48,797 Oregon average hourly - \$24.85; average annual - \$51,686

#### **Plumber**

Lane County average hourly - \$30.30; average annual - \$63,012 Oregon average hourly - \$36.24; average annual - \$75,372

#### Sheet Metal

Lane County average hourly - \$26.07; average annual - \$54,218 Oregon average hourly - \$24.77; average annual - \$51,541

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,000
Resident Tuition and General Student Fees	\$10,300
Total Estimated Cost	\$11.300

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- complete 8000 hours of State of Oregon-approved on-the-job training and provide a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD Certificate of Completion in BOLI-ATD Trade: Carpenter, HVAC Technician, Plumber, or Sheet Metal Worker.
- complete related instruction (communication, computation, human relations) 9 credits
- · complete core-related training 36-46 credits

#### **Related Instruction (9 credits)**

Computation (min. 3 credits)	3
Communication (min. 3 credits)	3
Carpenter (36 credits)	
APR 115 Carpentry Skill Fundamentals	3
to Concrete	3
APR 118 Carpentry Framing and FinishingAPR 119 Carpentry Commercial Plans and Exterior	3
Finish	3
APR 120 Carpentry Interior Finish	3
APR 201 Carpentry Basic Rigging and Practices	3
APR 202 Carpentry Concrete Practices	3
APR 203 Carpentry Forms and Tilt-up PanelsAPR 204 Carpentry Advanced Layout and Building	3
Systems	3
APR 205 Carpentry Advanced Planning and	
Management	3
APR 206 Carpentry Equipment and Site Layout	3
HVAC Technician/Installer (41-44 credits)	
APR 101A Trade Skills Fundamentals	4
APR 172 Sheet Metal/HVAC/R Blueprint Reading	3
APR 210 HVAC Systems 1	4
APR 211 HVAC Systems 2	4

APR 212 HVAC Systems 3 .....

APR 220 Electrical Apprenticeship Code and Exam	
Preparation	6 - 9
APR 190 Electrical Theory 1	4
APR 191 Electrical Theory 2	4
APR 285 Motors	4
APR 286 Motors 2	4
Plumber (40 credits)	
APR 160 Plumbing Skill Fundamentals	4
APR 161 Plumbing Materials & Fixtures	4
APR 162 Plumbing Basic Waste Water Systems	2
APR 163 Plumbing Calculations & Print Reading	4
APR 164 Plumbing Basic Installation 1	4
APR 165 Plumbing Basic Installation 2	2
APR 260 Plumbing Water Supply Systems	4
APR 261 Plumbing Piping Sizing and Systems	4
APR 262 Plumbing Advanced Waste Systems	2
APR 263 Plumbing Code and Test Preparation	10
Sheet Metal Worker (46 credits)	
APR 101ATrade Skills Fundamentals	4
APR 170 Introduction to Sheet Metal Apprenticeship	4
APR 171 Sheet Metal Basic Layout	4
APR 172 Sheet Metal/HVAC/R Blueprint Reading	3
APR 270 Architectural Sheet Metal	4
APR 271 Sheet Metal Building Codes and Installation	4
APR 272 Sheet Metal Duct Design	4
APR 273 General Sheet Metal Fabrication	4
APR 274 Sheet Metal Shop Fabrication	4
APR 275 Sheet Metal Project Supervision	4
MTH 085 Applied Geometry for Technicians	4
APR 185 Shielded Metal Arc Welding 1	1
APR 186 Wire Drive Welding 1	2
Januaryman and from Orogan Burgan of Labor and In	ductric

## Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division, prior certification credits (22

22 Journeyman card (22 credits).....

## **Trade Worker Apprenticeship Technologies**

Offered by the Advanced Technolgy Division

**Career Pathway Certificate** 

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpi@lanecc.edu.

Purpose To provide a structured system of training in construction fundamentals to prepare students with the skills and knowledge required to enter the construction trade.

#### Learning Outcomes The graduate will:

- complete a minimum of 4,000 hours State of Oregon-approved on-the-job training.
- successfully complete all required core related-training with a grade of â€eC†or better for individual trade.
- · apply theory as it relates to trade competencies.
- perform the duties and responsibilities of the individual construction trade/occupation.
- repair, install, and maintain a variety of building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Information is available at boli.state.or.us.

#### Advising and Counseling lanecc.edu/advising/advisors

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Carpenters (18 credits)	
APR 115 Carpentry Skill Fundamentals	3
APR 116 Carpentry Framing Fundamentals	3
APR 117 Carpentry Framing and Introduction to Concrete	3
APR 118 Carpentry Framing and Finishing	3
APR 119 Carpentry Commercial Plans and Exterior	
Finish	3
APR 120 Carpentry Interior Finish	3
HVAC Technician/Installer (12 credits)	
APR 101A Trade Skills Fundamentals	4
APR 190 Electrical Theory 1	1 - 4
APR 191 Electrical Theory 2	1 - 4
Plumbers (20 credits)	
APR 160 Plumbing Skill Fundamentals	4
APR 161 Plumbing Materials & Fixtures	4
APR 162 Plumbing Basic Waste Water Systems	2
APR 163 Plumbing Calculations & Print Reading APR 164 Plumbing Basic Installation 1	4
APR 165 Plumbing Basic Installation 2	2
Sheet Metal Workers (12 credits)	_
APR 101ATrade Skills Fundamentals	4
APR 170 Introduction to Sheet Metal Apprenticeship	4
APR 171 Sheet Metal Basic Layout	4
	-

### **Criminal Justice**

Offered by the Social Science Division, 541,463,5427

Associate of Applied Science Degree

Program Coordinator Caoimhin OFearghail, 541.463.5361, ofearghailc@lanecc.edu

Purpose To offer preparation for career employment in law enforcement, adult and juvenile corrections, security management, and other public service careers. Transferable to four-year colleges and universities, the program is also job entry oriented, depending on the student needs. Public Safety Careers require criminal and personal background checks

Learning Outcomes The student who successfully completes all Criminal Justice requirements will:

- apply sociological theory to better understand criminal behavior.
- describe the dynamics of interviews and interrogations in investigations.
- explain the nature of public safety career paths and their own qualifications for various careers in criminal justice.
- express a thorough knowledge of the criminal justice system.
- formulate questions that can be addressed with data and collect, organize and display relevant data to answer them.
- meet the educational requirements some entry-level public safety careers.
- understand the importance of interdisciplinary knowledge and the need for a well-rounded education in public safety.
- use appropriate library and information resources to research professional issues and support lifelong learning.

Advising and Counseling Andi Graham Academic Advisor and Ben Fisher Academic Advisor contact at socsci-Ilcprograms@ lanecc.edu

Cooperative Education (Co-op) Co-op provides opportunities for field experience with various local public safety agencies including local law enforcement, corrections, courts, and commercial

security organizations. Students may participate on a full or part-time basis.

#### Job Openings Projected through 2020

Law Enforcement Lane County openings - 14 annually

Law Enforcement Statewide openings -191 annually

Correctional Officers Statewide openings - 122 annually

Law Enforcement Oregon average hourly - \$34.07; average annual - \$70.872

Laws Enforcement Lane County average hourly - \$33.66; average annual - \$70,019

Correctional Officers Oregon average hourly - \$28.12; average annual - \$58,497

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. Criminal Justice course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Books	\$2,600
Resident Tuition and General Student Fees	\$12,855

Total Estimated Cost \$15,455

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All CJA courses must be completed with a letter grade of 'C' or better to satisfy program requirements.
- All courses must be completed with a letter grade.
- Courses that satisfy transfer general education requirements are recommended: BI, BOT, Z, CH, G, GS, PH
- CH 114 Forensic Chemistry can satisfy the Biological or Physical Science requirement

First Year Directed ElectiveWR121 Academic Composition or WR121_H Academic	<b>Fall</b> 3 - 4
Composition	4
CJA 100 Introduction to Criminal Justice 1	3
SOC 204 Introduction to Sociology	4
COMM 105 Listening and Critical Thinking	4
	Winter
Choice of; WR122 Argument, Research and Multimodal Composition or WR122_H Argument, Research and Multimodal Composition	4 3
CJA 110 Introduction to Criminal Justice 2	3
SOC 205 Social Stratification and Social Systems	4
COMM 100 Basic Communications	4
	Spring
CS 120 Concepts of Computing: Information	3
Processing or higher	4
SOC 206 Institutions and Social Change	4
HE250 Personal Health HE252 First Aid	
HE 275 Lifetime Health and Fitness	3
Second Year	Fall
COMM 218 Interpersonal Communication	4
Biological or Physical Science requirement	3 - 4
CJA 213 Interviewing and Interrogation	3
CJA 220 Introduction to Criminal Law PS 201 U.S. Government and Politics	3
r 3 201 O.3. Government and Politics	3

	Winter
Directed elective	3 - 4
Biological or Physical Science elective	4 - 5
CJA 222 Criminal Law: Procedural Issues	3
CJA 280 Co-op Ed: Criminal Justice	3
PS 202 U.S. Government and Politics	3
	Spring
MTH 095 Intermediate Algebra or higher	5
CJA 280 Co-op Ed: Criminal Justice	3
PS 203 State and Local Government and Politics	3
PSY 203 General Psychology	4
Arts and Letters elective	3
Directed Electives	
CJA 201 Juvenile Delinquency	3
CJA 210 Criminal Investigation 1	3
CJA 214 Introduction to Forensic Science	4
CJA 232 Correctional Casework	3
CJA 243 Narcotics and Dangerous Drugs	3
CH 114 Introduction to Forensic Chemistry	4
HS 102 Psychopharmacology	4
SOC 211 Social Deviance	3

## Criminal Justice: Juvenile Corrections

Offered by the Social Science Division, 541.463.5427

**One-Year Certificate of Completion** 

Program Coordinator Caoimhin OFearghail, 541.463.5361, ofearghailc@lanecc.edu

**Purpose**To train individuals to work directly with juvenile offenders in various settings, including OregonYouth Authority, as well as other public, private, and non-profit agencies/programs.

**Learning Outcomes** The student who successfully completes all Criminal Justice: Juvenile Corrections requirements will:

effectively supervise juvenile offenders.

- monitor and ensure a safe environment for juvenile offenders.
- provide support services to juvenile offenders.
- provide social and life skills training to juvenile offenders.
- assist in the treatment process and provide crisis intervention with juvenile offenders.

Advising and Counseling Andi Graham Academic Advisor and Ben Fisher Academic Advisor contact at socsci-*llcprograms@lanecc.edu* 

Cooperative Education (Co-op) Co-op provides opportunities for students to work in regional organizations to develop and expand skills, explore career options, and make contacts for future employment. Students connect theory and practice while earning transferable elective college credit. Contact Caoimhin OFearghail, Juvenile Corrections Co-op Coordinator, 541.463.5361, OFearghailc@lanecc.edu

#### Job Openings Projected through 2020

Statewide openings: 122

Corrections Officers

Oregon average hourly - \$28.12; average annual - \$58,497

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books Resident Tuition and General Student Fees	
_	

Total Estimated Cost \$8,074

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

21-1021.00

Standard Occupational Classification: 21-1021.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Child, Family, and School Social Workers Onetonline.org/link/summary/21-1021.00 Or check on these O\*Net Related Occupations: Probation Officers and Correctional Treatment Specialists onetonline.org.link/summary/21-1092.00

In academic year 2014-15, 1 student completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All CJA, HS, PSY, and SOC courses must be completed with a letter grade of 'C' or better to satisfy program requirements.
- · WR courses must be completed with a letter grade.
- Math and CS courses must be completed with a grade of C- or better, or pass.
- MTH 095 is recommended for students going on to complete the 2-yr AAS degree in Criminal Justice. Students should be advised that it may take up to 4 terms to complete.

Fall
4
3
4
4
4
Winter
3
3
4
3
4
3
Spring
3
3
3
3
4

## **Culinary Arts and Food Service Management**

Offered by the Culinary Arts & Hotel/Restaurant/Tourism Management, 541.463.3518

Associate of Applied Science Degree

Less than One-Year Certificate of Completion - Baking and Pastry

**Program Coordinator** Wendy Milbrat, 541.463.3518, *milbratw@lanecc.edu* email: *CulinaryHospPrograms@lanecc.edu* 

Purpose To enable the transformation of students' passion for food and cooking into careers as future professional culinarians, restaurant owners, food and beverage managers, pastry cooks, dietary managers and other careers in food services. Focusing on classical culinary principles and techniques, the program's coursework is sequenced in building blocks of knowledge and skills competencies with an emphasis on learning by doing.

Learning Outcomes The student who successfully completes all Culinary Arts and Food Service Management requirements will:

- develop a broad range of culinary and dining room service skills.
- operate equipment including cook tops, food processors, ovens (baking, convection, and conventional), dough mixers, meat slicers, espresso machines, cash register, point of sales (POS) systems and a variety of kitchen tools.
- develop supervisory and human relations skills.
- understand the fundamentals of financial analysis, purchasing and receiving, menu planning and costing, and food and beverage controls.
- access library, computer and communications services and obtain information and data from regional, national and international networks.
- develop fundamental baking and pastry knowledge and skills.
- perform mathematical functions related to food service operations.
- successfully plan and prepare large culinary events in the Center for Meeting and Learning.

Accreditation Culinary Arts, accredited by the American Culinary Federation Foundation Accrediting Commission, a specialized accrediting commission recognized by the Council for Higher Education Accreditation. A student graduating from the program will be eligible to receive national certification status as a Certified Culinarian (CC).

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hotel/Restaurant/Tourism Management office, Building 19, Room 204 or online at *lanecc.edu/culinary*. Or email: *Culinary HospPrograms@lanecc.edu* 

**Advising and Counseling** Program Advisors, Claudia Riumallo and Sarah Rick

Cooperative Education (Co-op) Students earn credit for on-the-job work experience related to educational and career goals. Through Co-op, students can develop and practice skills, expand career knowledge, and make contacts for future job openings. For more information contact Joe McCully, Cooperative Education Coordinator, Bldg.19, Rm. 210, 541.463.3516, mccullyj@lanecc.edu

Job Openings Projected through 2020

### Chefs and Head Cooks

Lane County openings - 4 annually Statewide openings - 55 annually

#### **Food Service Managers**

Lane County openings - 11 annually Statewide openings - 145 annually

#### **Production Bakers**

Lane County openings - 12 annually Statewide openings - 96 annually

#### **Restaurant Cooks**

Lane County openings - 68 annually Statewide openings - 1161 annually

## Supervisors and Managers of Food Preparation and Serving Workers

Lane County openings - 40 annually Statewide openings - 559 annually

#### **Chefs and Head Cooks**

Lane County average hourly - \$20.94, average annual \$43,555 Oregon average hourly \$23.70 , annual average annual - \$49,284

#### **Food Service Managers**

Lane County average hourly - \$21.41 , average annual \$44,529 Oregon average hourly - \$24.95 , average annual - \$51,895

#### **Production Bakers**

Lane County average hourly - \$15.28, average annual -\$31,790 Oregon average hourly \$14.57, average annual - \$30,306

#### **Restaurant Cooks**

Lane County average hourly - \$13.12, average annual - \$27,288 Oregon average hourly \$13.11, average annual - \$27,253

#### Supervisors and Managers of Food Preparation and Serving Workers

Lane County average hourly - \$14.87 , average annual - \$30,934 Oregon average hourly \$15.77 , average annual - \$32,788

**Costs** (Estimate based on 2017-18 tuition and fees for 2-yr program) The total of all the differential fees attached to Culinary Arts courses and other fees may change during the year - see the online credit class schedule for fees assigned to courses.

Books	\$850
Differential Fees*	\$2,760
Instruments/Tools	\$190
Program Specific Fees	\$1,793
Resident Tuition and General Student Fees	\$11,802
Uniforms	\$200

Total Estimated Cost \$17,595

- Must be a credit-level student. Students can enter the Culinary Arts program in fall, winter, or spring terms. Fall term entry is highly recommended in order to begin the foundational Cooking Theories course sequence. Complete college placement tests with the following minimum scores: writing-70, reading-68 and readiness for MTH 025"taking the Arithmetic section of the Accuplacer test and scoring 75 or higher and attach copies of test score sheets to application.
- A Lane County Food Handlers card is required for entry into the program.
- General Education Requirements (21 total credits) may be completed prior to program entry or any program term. For complete details refer to the college catalog or meet with your academic advisor.
- Prerequisites are required for some courses. See course descriptions.
- All courses required for this program must be taken for a letter grade, not P/NP, and must be passed with a grade of C- or better.
- To reach 2nd year status, the following classes must be taken

- and passed with min grade of C-: CA 163, CA 175, CA 200, HRTM 105, HRTM 106, and MTH 025 or higher.
- Directed electives may be met in any term of the two-year program. Check current class schedule for which Directed Electives are offered in a given term.
- Students may take Cooperative Education any term approved by the coordinator.
- Students interested in transferring to a four-year institution should:
   Substitute WR 121 or WR 121\_H for WR 115W 2. Add MTH 111 and MTH 112 3. Add a speech course 4. Add WR 122 and WR 123
- MS PowerPoint and Excel are used extensively. If students are not familiar with these programs, they are encouraged to take these classes prior to or during their first year in the program.

First Year	Fall
General Education Requirement: MTH 025C Basic	ı alı
Mth. App. (culinary) or higher	3
CA 160 Introduction to Cooking Theories 1	7
CA 175 Foodservice Sanitation and Safety	2
HRTM 105 Restaurant Operations	3
	Winter
HRTM 106 Introduction to Hospitality Management	3
General Education Requirement: WR115 or higher	4
CA 162 Introduction to Cooking Theories 2	7
FN 105 Nutrition for Foodservice Professionals	3
	Spring
General Education Requirement: HE 252 First Aid	3
Culinary Directed Elective: Choose from directed	
elective list	2
CA 163 Introduction to CookingTheories 3	7
General Education Requirement: Human Relations	3
(see college catalog for details)	3
Second Year	Fall
HRTM 260 Hospitality Human Resources and	ı alı
Supervision	3
CA 292 Advanced Cooking Theories 1	7
HRTM 265 Hospitality Financials 1	3
General Education Requirement: Arts and Letters	
(see college catalog for details)	3
	Winter
CA 293 Advanced Cooking Theories 2	7
HRTM 275 Hospitality Financials 2	3
HRTM 290 Hospitality Leadership	3
Culinary Directed Elective: Choose from directed	
electives listGeneral Education Requirement: Science/Math	2
/Computer Science (see college catalog for details)	3
700111pater Odienoo (300 odienog oditarog for details/	Spring
CA 204 Advanced Cooking Theories 2	
CA 294 Advanced Cooking Theories 3 CA 176 Concepts of Taste and Flavor	7
HRTM 220 Sustainability in the Hospitality Industry	2
General Education Requirement: Choice of Social	_
Science or Science/Math/Computer Science or Arts	
and Letters (see college catalog for details)	3
5	Summer
CA 280 Co-op Ed: Culinary Arts, Second Year	7
Directed Electives	
BI 103H General Biology-Mushrooms	4
BT 163 QuickBooks	4
BT 123 MS EXCEL for Business	4
BT 122 MS POWERPOINT for Business	3
BT 120 MS WORD for Business	4
CA 120 Culinary Adventuring: Seasonal Baking	
and Pastry	2
CA 121 Culinary Adventuring: The Composition	^
of CakeCA 123 Culinary Adventuring: International Baking	2
& Pastry	2
CA 130 Culinary Adventuring: Oregon Wine Country	2

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

CA 159 Kitchen Fundamentals	2
CA 163A Beginning Baking and Pastry	3
CA 163B Intermediate Baking and Pastry	2
CA 163C Advanced Baking and Pastry	2
CS 120 Concepts of Computing: Information	
Processing	4
FN 110 Personal Nutrition	3
HRTM 100 Introduction to Culinary and Hospitality	3
HRTM 104 Introduction to Travel and Tourism	3
HRTM 109 Principles of Meetings and Convention	
Management	3
HRTM 110 Hospitality Sales and Marketing	3
HRTM 140 Hospitality Law and Security	3
HRTM 209 Advanced Principles of Meeting, Convention,	
and Special Event Management	3
HRTM 205 Managing the Restaurant Operation	3
HRTM 230 Hotel Operations 1	3
HRTM 231 Hotel Operations 2	3
HRTM 286 Bar and Beverage Management	3
HST 104, 105, or 106 World History	4
PHL 201 Ethics	4
COMM 115 Introduction to Intercultural	
Communication	4
COMM 130 Business and Professional	
Communication	4
SUST 101 Introduction to Sustainability	3
SUST 120 Gardening and Sustainable Food Systems	3
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition	4
BA 278 Leadership & Team Dynamics	4
CA 122 Artisan Breads	2

### **Baking and Pastry**

Offered by the Culinary Arts & Hotel/Restaurant/Tourism Management, 541.463.3518

Less than One-Year Certificate of Completion

Program Coordinator Wendy Milbrat, 541.463.3518, milbratw@ lanecc.edu

**Purpose** The certificate in Baking and Pastry is for students who want to gain entry into the food service industry as beginning bakers and pastry cooks.

**Learning Outcomes** The student who successfully completes all Baking and Pastry requirements will:

- develop essential and advanced baking and pastry knowledge and skills.
- operate equipment including cook tops, food processors, ovens (baking, convection, and conventional), dough mixers and a variety of kitchen tools.
- perform mathematical functions related to food service operations.

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hotel/Restaurant/Tourism Management office, Building 19, Room 204 or online at lanecc.edu/culinary; or email: CulinaryHospPrograms@lanecc.edu

**Advising and Counseling** Program advisor's, Claudia Riumallo and Sarah Rick. Located in Building 12

Costs (Estimate based on 2017-18 tuition and fees for program)Books\$250Differential Fees\*\$831Program Specific Fees\$686Resident Tuition and General Student Fees\$2,843

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Total Estimated Cost \$4,610

#### **Course Requirements**

- This certificate is a fall term start only.
- Must be a credit level student. Complete college placement tests with the following minimum scores: writing 70, reading 68 and readiness for MTH 025 or higher, taking the Arithmetic section of the Accuplacer test and scoring 75 or higher and attach copies of test score sheets to application.
- Students that do not meet reading and/or math requirements may apply to PASS Lane Summer programming for alternative admission process. PASS Lane contact is Marcia Koening (koenigm@lanecc.edu) 541.463.5818, Bldg. 11/244
- A Lane County Food Handlers card is required for entry into the program.
- Prerequisites are required for some courses. See course descriptions.
- All courses required for this certificate must be taken for a letter grade, not P/NP, and must be passed with a grade of C- or better.

	Fall
CA 175 Foodservice Sanitation and Safety	2
CA 163A Beginning Baking and Pastry	3
CA 120 Culinary Adventuring: Seasonal Baking	
and Pastry	2
MTH 025C Basic Mth. App. (Culinary Math) strongly	
recommended	3
	Winter
CA 163B Intermediate Baking and Pastry	2
CA 123 Culinary Adventuring: International Baking	
and Pastry	2
CA 122 Artisan Breads	2
	Spring
CA 163C Advanced Baking and Pastry	2
CA 120 Culinary Adventuring: Seasonal Baking	_
and Pastry	2
CA 121 Culinary Adventuring: The Composition	_
of Cake	2
o. cano	_

## **Dual-Degree Option for Culinary Arts Students/Graduates**

Offered by the Culinary Arts & Hotel/Restaurant/Tourism Management, 541.463.3518

Associate of Applied Science Degree

**Program Coordinator** Wendy Milbrat, 541.463.3518, *milbratw@lanecc.edu;*or email: *CulinaryHospPrograms@lanecc.edu* 

Purpose Advising Plan for Culinary Arts AAS students (Completing a second Two-Year Associate of Applied Science degree) Students who have obtained the 2 yr. AAS degree in Culinary Arts during the 2014-15 academic year or later may also complete the 2 yr AAS degree in Hotel/Restaurant/Tourism Management to enhance their industry skill set and education. This list shows the nine classes (24 credits) needed to complete this degree. Note: This dual degree is not an option for Hotel/Restaurant/Tourism Management graduates seeking a Culinary Arts 2 yr. AAS degree.

**Learning Outcomes** The student who successfully completes all Dual-Degree Option for Culinary Arts Students/Graduates requirements will:

**Costs** This cost is in addition to the AAS Culinary Arts and Food Service Management degree.

Books	\$350
Program Specific Fees	\$80
Resident Tuition and General Student Fees	
Total Estimated Cost	\$3,442

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

First Year	Fall
HRTM 230 Hotel Operations 1	3
HRTM 226 Banquet Operations 1	2
HRTM 110 Hospitality Sales and Marketing	3
	Winter
HRTM 231 Hotel Operations 2	3
HRTM 140 Hospitality Law and Security	3
HRTM 227 Banquet Operations 2	2
	Spring
HRTM 205 Managing the Restaurant Operation	3
HRTM 286 Bar and Beverage Management	3
HRTM 228 Banquet Operations 3	2

## **Dental Assisting**

Offered by the Health Professions Division, 541.463.5617

**One-Year Certificate of Completion** 

**Program Coordinator** Leslie Greer, Dental Assisting Program and Co-op Coordinator, Bldg. 30, Rm. 226, 541.463.5638, *greerl@lanecc.edu* 

**Purpose** Prepares graduates for employment in the dental field with emphasis on current concepts and hands-on skills for clinical chairside assisting. Included classes also offer some crosstraining and pathways to dental receptionist-bookkeeper.

**Learning Outcomes** Upon completion of the Dental Assisting program, all graduates will be able to:

- demonstrate knowledge and ability to write/edit multiple types of professional communications.
- demonstrate knowledge and skill required to accurately expose, develop and mount diagnostic radiographs using multiple systems.
- demonstrate knowledge and skills needed to compute mixing amounts and calculate formulas utilized in dental procedures.
- demonstrate knowledge and skills required for business office procedures.
- demonstrate knowledge and skills required to access information via dental journals and web sites.
- demonstrate knowledge and skills required to systematically collect diagnostic data.
- demonstrate knowledge and skills needed to maintain a professional working environment.
- demonstrate knowledge and skills required to provide an aseptic environment and prevent disease transmission.
- demonstrate application of principles of ethical reasoning, decision making and professional responsibility.
- demonstrate interpersonal communication and collaborative skills to effectively interact with diverse population groups, health care providers, dental professionals and community groups.
- demonstrate knowledge and skills required to perform or assist with a variety of clinical treatments used in all areas of dentistry.

Accreditation Dental Assisting, American Dental Association's Commission on Dental Accreditation, a specialized accrediting board recognized by the U.S. Dept. of Education. The Commission may be contacted at 800.621.8099 or 312.440.4653 or 211 East Chicago Avenue, Chicago, Illinois 60611.

Licensing & Certification Upon graduation and successful completion of the board exams, students will qualify for the following: Certified Dental Assistant (CDA) - National credential Expanded Function Dental Assistant (EFDA)- Oregon credential Expanded Function Orthodontic Assistant (EFODA) - Oregon credential Oregon Radiological Proficiency - Oregon X-ray license Additional certificates to: Place pit and fissure sealants (Oregon) Place denture soft relines (Oregon) Place gingival retraction cord (Oregon)

Admission Information Contact the Health Professions Division or see *lanecc.edu/hp/dental/dental-assisting* Dental Assisting is a concentrated program that requires good reading and study skills. Dexterity for manipulation of small items and good eyesight are also required. Evidence of a physical examination (within the previous nine months), immunizations, eye exam, drug screen and background check must be submitted prior to the start of the program. This program and profession includes possible exposure to blood borne pathogens and infectious diseases. Training is included to minimize risk to students and patients.

Advising and Counseling For assistance with meeting application or program requirements, contact Kelly Ochoco in Building 30 Room 102, or Allene Gibson in Building 30 Room 101. You can also E-mail *DAProgram@lanecc.edu* with your specific questions.

Cooperative Education (Co-op) Co-op is a required class for students enrolled in the Dental Assisting Program. Through Co-op, students spend approximately 24 hours a week during spring term working in a minimum of two different professional dental offices. Co-op field experience offers students the opportunity to gain skills, connect theory and practice, and make contacts for job openings. The required co-op seminar provides instruction on skills and documents needed to find employment.

#### Job Openings Projected through 2020

Lane County: 18 Statewide: 186

Openings are estimated to increase by 25%.

Lane County hourly average - \$19.63; annual average - \$40,824 Oregon hourly average - \$20.81; annual average - \$43,281

**Costs** (Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees.)

Books	\$600
Certification, Licensure, Exams, Physicals	\$4,317
Differential Fees*	\$1,076
Resident Tuition and General Student Fees	\$5,296
Uniforms	\$375

Total Estimated Cost \$11,664

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

CIP cide = 51.0601

Health Services - Dental Assisting/Assistant

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

· All DA courses must be passed with a class average of 75% or

higher to remain in the program. (Courses with both a didactic and laboratory/clinical component must have a minimum grade of 75% in BOTH components to qualify as passing.)

- DA 110 (Dental Health Sciences) will be offered online beginning summer term, 2018. If preferred, a combination of HO 150 and 152 (Human Body Systems 1 & 2) or a combination of BI 231 and 232 (Anatomy and Physiology 1 & 2) can be substituted DA 110.
- Human Relations prerequisites may be selected from the list below
- · Some courses have prerequisites. See course descriptions
- All pre-req courses must be taken for a letter grade and passed with a 'C' or higher (C- not accepted).
- For DA courses, students must be accepted and enrolled in the Dental Assisting program\*
- \*The employed dental assistant may be eligible to register for any DA course offered if space permits AND the working assistant meets state credentialing qualifications by contacting the Program Coordinator, Leslie Greer 541.463.5638
- Although pre-requisite courses are not required to apply, their grades are used for application points and will make the application more competitive. Recommended pre-requisites can also accrue application points.

#### **Prerequisites**

MTH 052 Math for Health and Physical Sciences Choice of:

CIS 101 Computer Fundamentals

CS 120 Concepts of Computing: Information Processing Choice of:

WR 115 Introduction to College Writing

WR 121 Academic Composition

WR 121\_H Academic Composition-Honors

HO 100 Medical Terminology 1

DA 110 Dental Health Sciences (3 credits) \*\*

\*\* Options that can be substituted for DA 110: 1) a combination of Human Body Systems 1 & 2 (HO 150 & 152), 6 credits total 2) a combination of Anatomy & Physiology 1 & 2 (BI 231 & 232), 8 credits total

Human Relations Courses accepted for the DA program requirement (the courses below focus on skills needed to be successful in small group communications). Choose one course from the list below:

COMM 219 Small Group Communications COMM 218 Interpersonal Communication CG 203 Human Relations at Work

BA 278 Leadership & Team Dynamics

HO 110 Health Office Procedures

	Fall
DA 195 Chairside Procedures 1	5
DA 105 Infection Control in Dentistry	2
DA 115 Dental Anatomy	3
DA 192 Dental Materials	3
DA 210 Dental Radiology	4
DA 107 Dental Health Education 1	1
	Winter
DA 108 Dental Health Education 2	3
DA 193 Dental Materials 2	3
DA 194 Dental Office Procedures	3
DA 211 - Dental Radiology 2	3
DA 196 Chairside Procedures 2	7
	Spring
DA 102 Advanced Clinical Experiences	3
DA 103 Dentistry Law and Ethics	2
DA 206 Co-op Ed: Dental Assisting Seminar	1
DA 280 Co-op Ed: Dental Assisting	6

## **Dental Hygiene**

Offered by the Health Professions Division, 541.463.5617

**Associate of Applied Science Degree** 

Program Coordinator Sharon Hagan RDH, M.S. Dental Hygiene Program and Co-op Coordinator, Bldg. 19, Rm. 263A, 541.463.5616, hagans@lanecc.edu

Purpose To Prepare dental hygiene students for entry into the dental hygiene profession as a licensed clinician providing preventive, therapeutic, restorative and educational methods for the control of oral disease and promotion of optimal oral health

Learning Outcomes Purpose To prepare dental hygiene students for entry into the dental hygiene profession as a licensed clinician providing preventive, therapeutic, restorative and educational methods for the control of oral disease and promotion of optimal health.

- demonstrate application of principles of ethical reasoning, decision making and professional responsibility in the provision and support of evidence based oral health care services, research, patient care and practice management.
- demonstrate critical thinking, problem solving and self-evaluation in the provision of comprehensive care, selection of patient management strategies, and professional competence development.
- select and plan educational and clinical services for periodontal diseases using appropriate interpersonal communication, comprehensive data collection, knowledge of periodontal conditions and therapies, and educational strategies.
- access, critically appraise, apply and communicate evidence based practices for all periodontal classifications within diverse patient populations.
- demonstrate interpersonal communication and collaborative skills to effectively interact with diverse population groups, health care providers, dental professionals and community groups.
- demonstrate application of refined instrumentation skills for periodontal, restorative and therapeutic interventions for individuals at all stages of life.
- demonstrate application of behavioral sciences and patient centered approaches to promote, improve and maintain oral health.
- use assessment, planning, implementation and evaluation for the provision of dental hygiene services and disease prevention strategies within diverse, multicultural and special needs populations, and community groups.
- demonstrate use of mathematical and statistical concepts in the application of clinical and preventive dental care strategies.
- use appropriate library and information resources to research professional issues, develop community health program planning and to support lifelong learning.
- experiential Learning: membership in the Student American Dental Hygienist's Association (SADHA) at the state and national level. Professional meetings and continuing education offerings. Assessment, Planning, Implemenation and Evaluation of community health programs. Off campus experiences with community clinics, school-based screenings, presentations for health fairs, classrooms, inter-professional collaboration and visitations to specialty and general dental offices/clinics.

Accreditation Dental Hygiene, accredited by The American Dental Association's Commission on Dental Accreditation, a specialized accrediting board recognized by the U.S. Dept. of Education. The Commission may be contacted at 312.440.4653 or 211 East Chicago Avenue, Chicago, Illinois 60611.

Licensing & Certification Registered Dental Hygienist

Admission Information See *lanecc.edu/hp/dental/dental-hygiene* for additional information and the admission packet.

Advising and Counseling For assistance in meeting program or application requirements, please go to Counseling and

Advising in Building 1, Room 103, or e-mail *DHProgram@lanecc.edu* 

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Only students who have received their official program acceptance letter or who are currently enrolled in the dental hygiene program may take Dental Hygiene Co-op.

#### **Job Openings Projected through 2020**

Mid-Willamette -Mid-Coast region openings - 13 annually Statewide openings - 129 annually

Lane County average hourly - \$38,63; average annual - \$80,361

Oregon average hourly - \$39.35; average annual - \$81,849

Costs Program costs include: tuition and general student fees; course fees for professional supplies; Instrument and restorative instructional supplies; books, uniforms and magnification lenses; program specific course fees for dental hygiene education; and professional exams, licensure fees and physicals.

Books	\$1,300
Certification, Licensure, Exams, Physicals	\$3,260
Differential Fees*	\$12,114
Instruments/Tools	\$6,300
Program Specific Fees	\$2,470
Residential Tuition General Fees	\$11,500

Total Estimated Cost \$36,944

#### **Course Requirements**

- Students must be accepted in Dental Hygiene Program to enroll in DH courses
- All courses listed below must be passed with a letter grade of 'C' or better

#### **Prerequisites**

BI 112 Cell Biology for Health Occupations CH 112 Chemistry for Health Occupations Choice of:

WR 121 Academic Composition

WR 121\_H Academic Composition

BI 231 Human Anatomy and Physiology 1

BI 232 Human Anatomy and Physiology 2

BI 233 Human Anatomy and Physiology 3

FN 225 Nutrition

Choice of:

SOC 204 Introduction to Sociology

SOC 205 Social Stratification and Systems

SOC 206 Institutions and Social Change

MTH 052 Math for Introductory Physical Sciences

Choice of:

PSY- 201,202,203 General Psychology

Choice of:

COMM 100 Basic Communication

COMM 111 Fundamentals of Public Speaking

DH 280 Co-op Ed: Dental Hygiene

First Year	Fall
DH 107 Dental Infection Control and Safety	1
DH 243A Oral Roentgenology 1	2
DH 113 Dental Anatomy and Histology	2
DH 118A Clinical Dental Hygiene 1	4
DH 118B Clinical Dental Hygiene 1 Lab	2
DH 228 Oral Biology 1	4
DH 243B Oral roentgenology 1 Lab	1
	Winter
DH 119A Clinical Dental Hygiene 2	3

DH 119B Clinical Dental Hygiene 2 Lab	4 2 3 1
DH 244B Oral Roentgenology 2 Lab	1
	Spring
Choice of: WR 123 Composition: Research WR 227Technical Writing WR227_H Technical Writing DH 120A Clinical Dental Hygiene 3:Lecture/seminar	4 3
DH 254 Pharmacology	3
DH 120B Clinical Dental Hygiene 3 Clinic Lab DH 132 Dental Materials for the Dental Hygienist	4 2
Second Year	Fall
DH 220A Clinical Dental Hygiene 4-Lecture/seminar DH 233 Anesthesia/Analgesia for Dental Hygiene Therapy DH 270 Periodontology 1 DH 220B Clinical Dental Hygiene 4 Lab	2 3 2 5 3
	Winter
DH 221A Clinical Dental Hygiene 5 DH 221B Clinical Dental Hygiene 5 Lab DH 237 Community Dental Health DH 271 Periodontology 2 DH 276 Restorative Dentistry 2	2 6 3 1 3
	Spring
DH 234 Trends and Issues in Dental Hygiene  DH 238 Community Dental Health  DH 277 Restorative Dentistry 3  BI 234 Introductory Microbiology  DH 222B Clinical Dental Hygiene 6 Lab  DH 222A Clinical Dental Hygiene 6	2 1 1 4 5 2

## **Diesel Technology**

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

Two-Year Certificate of Completion - Diesel Technology

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To prepare the graduate for employment in occupations such as heavy equipment technician and highway truck technician. Possible job opportunities are available with truck fleets, logging fleets, heavy construction companies, OEM dealerships, road construction contractors, parts sales, general heavy equipment repair shops, agriculture fleets and repair shops.

Learning Outcomes The student who successfully completes all Diesel Technology requirements will:

- access library, computing, and communications services and obtain information and data from regional and national networks.
- identify and explain various technologies used in the repair of on- and off-highway vehicles.
- · demonstrate and use industry safety standards.
- demonstrate math skills using formulas to find force, pressure, area, and volume.
- use lab station simulators to diagnose and troubleshoot system components.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose diesel fuel systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis,

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

assembly and operation using industry standard tooling and equipment, to diagnose brake systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.

- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose power train systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment to diagnose hydraulic systems and components found on highway trucks, off highway vehicles and stationary hydraulic systems including construction equipment, agriculture equipment, marine applications, truck equipment and plant hydraulics.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose diesel electrical systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose diesel engines and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.

Accreditation Diesel Technology, evaluated and accredited by the Association of Equipment Distributors Foundation (AEDF). Membership: Northwest Diesel Industry Council (NDC) and OregonTrucking Association (OTA).

**Admission Information** See *lanecc.edu/advtech/ds* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Diesel Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in DS 280 may be earned in lieu of required Diesel Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Specialty	Oregon	Lane County
Mobile Heavy Machinery Mechanics	59	7
Farm Equipment Mechanics	37	0
Heavy and Tractor-Trailer Truck Drivers	690	61
Bus and Truck Mechanical/Diesel Specialists	127	13
First-Line Supervisors of Mechanics	136	10
Recreational Vehicle Service Technicians 1	9	0
Industrial Machinery Mechanics	274	18
Totals:	1342	109

#### Wages

Lane County average hourly - \$24.35; average annual - \$50,642 Oregon average hourly - \$24.47; average annual - \$50,894 Costs (Estimate based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Books	\$2,220
Differential Fees*	\$2,724
Instruments/Tools	\$400
Program Specific Fees	\$1,770
Resident Tuition and General Student Fees	\$13,833

Total Estimated Cost \$20,947

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- WR 115 and the PE/Health requirement must be completed with a Pass or "C-" grade or better.
- Arts and Letters choices are listed on the Associate of Applied Science degree page.
- All DS, MFG courses and MTH 075/085 must be completed with a letter grade of "C-" or better.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

#### First YearFall

DS 155 Heavy Equipment Hydraulics MTH 075 Applied Algebra for Technicians	12 4
	Winter
PE/Health Requirement	3
DS 154 Heavy Duty Braking Systems	12
WLD 121 Shielded Metal Arc Welding 1	4
	Spring
Human Relations Requirement	3
DS 158 Heavy Equipment Chassis and PowerTrains WR 115W Introduction to College Writing: Workplace	12
Emphasis	3
Second Year	Fall
Choice of:	
MFG101 Safety and Basic Shop Practice	
WLD122 Shielded Metal Arc Welding 2	3 - 4
DS 256 Diesel and Auxiliary Fuel Systems	12
MTH 085 Applied Geometry for Technicians	4
·	Winter
DS 257 Diesel Electrical Systems	Winter 12
·	Winter
DS 257 Diesel Electrical Systems	Winter 12
DS 257 Diesel Electrical Systems	Winter 12 4
DS 257 Diesel Electrical Systems	Winter 12 4
DS 257 Diesel Electrical Systems	Winter 12 4 Spring
DS 257 Diesel Electrical Systems	Winter 12 4  Spring 12

#### **Diesel Technology**

Offered by the Advanced Technology Division, 541.463.5380

**Two-Year Certificate of Completion** 

**Program Coordinator**Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose To prepare the graduate for employment in occupations such as heavy equipment technician and highway truck technician. Possible job opportunities are available with truck fleets, logging fleets, heavy construction companies, OEM dealerships, road construction contractors, parts sales, general heavy equipment repair shops, agriculture fleets and repair shops.

#### Learning Outcomes The graduate will:

- access library, computing, and communications services and obtain information and data from regional and national networks.
- identify and explain various technologies used in the repair of on- and off-highway vehicles.
- demonstrate and use industry safety standards.
- demonstrate math skills using formulas to find force, pressure, area, and volume.
- use lab station simulators to diagnose and troubleshoot system components.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose diesel fuel systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose brake systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose power train systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment to diagnose hydraulic systems and components found on highway trucks, off highway vehicles and stationary hydraulic systems including construction equipment, agriculture equipment, marine applications, truck equipment and plant hydraulics.
- demonstrate troubleshooting, maintenance and repair procedures including: testing, disassembly, failure analysis, assembly and operation using industry standard tooling and equipment, to diagnose diesel electrical systems and components found on highway trucks, off highway vehicles and stationary applications including construction equipment, agriculture equipment, marine applications, truck equipment and power generation.

Admission Information See *lanecc.edu/advtech/ds* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Diesel Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in DS 280 may be earned in lieu of required Diesel Technology course credits. Contact Chuck Fike, Automotive Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### **Job Openings Projected through 2020**

Specialty Oregon Lane County

Mobile Heavy Machinery Mechanics 59 7

Farm Equipment Mechanics 37 0

Heavy and Tractor-Trailer Truck Drivers 690 61

Bus and Truck Mechanical/Diesel Specialists 127 13

First-Line Supervisors of Mechanics 136 10

Recreational Vehicle Service Technicians 19 0

Industrial Machinery Mechanics 274 18

Totals: 1342 109

Lane County average hourly - \$24.35; average annual - \$50,642

Oregon average hourly - \$24.47; average annual - \$50,894

Costs (Estimate based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Books	, ,
Differential Fees*	\$2,724
Instruments/Tools	\$400
Program Specific Fees	\$1,770
Resident Tuition and General Student Fees	\$12,174

Total Estimated Cost \$19,168

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

49-3031.00

Standard Occupational Classification: 49-3031.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Bus and Truck Mechanics and Diesel Engine Specialists Onetonline.org/link/summary/49-3031.00 Or check on these O\*Net Related Occupations: Mobile Heavy Equipment Mechanics, Except Engines onetonline.org.link/summary/49-3042.00

In academic year 2014-15, 8 students completed this certificate.

The program is designed to take 8 terms, or about 24 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

- Prerequisites are required for some courses. See course descriptions.
- Arts and Letters choices are listed on the Associate of Applied Science degree page.
- WR115 and the PE/Health requirement must be completed with a Pass or "C-" grade or better.
- All DS, MFG courses and MTH 075 must be completed with a letter grade of "C-" or better.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
DS 155 Heavy Equipment Hydraulics	12
MTH 075 Applied Algebra for Technicians	4

-	Winter
DS 154 Heavy Duty Braking Systems	12
WLD 121 Shielded Metal Arc Welding 1	4
	Spring
DS 158 Heavy Equipment Chassis and PowerTrains WR 115W Introduction to College Writing: Workplace	12
Emphasis	3
Human Relations Requirement	3
Second Year	Fall
Choice of: MFG101 Safety and Basic Shop Practice WLD122 Shielded Metal Arc Welding 2 DS 256 Diesel and Auxiliary Fuel Systems	3 - 4 12
, ,	Winter
DS 257 Diesel Electrical Systems	12
WLD 143 Wire Drive Welding 1	4
	Spring
DS 259 Diesel Engines and Engine Overhaul	12
PE/Health Elective	3

### **Drafting**

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

**One-Year Certificate of Completion - Drafting** 

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** Purpose The Drafting program trains and prepares graduates from diverse backgrounds to work with and assist architects, engineers, other designers, and technicians as part of construction, manufacturing, or engineering teams. Coursework prepares graduates to work collaboratively as design paraprofessionals across a range of capacities using a variety of software platforms. Students build skills in problem-solving, analysis, technical graphics, and basic design. Successful graduates are able to communicate effectively in multiple formats.

Learning Outcomes The graduate will be able to:

- demonstrate basic competence in the use of CAD, solid modeling, and building information modeling software.
- visualize three-dimensional objects from multiple viewing directions and translate three-dimensional objects into twodimensional drawings.
- create mechanical and architectural drawings which follow recognized national standards for format, annotation, lines, and symbols.
- demonstrate basic understanding of mechanisms and mechanical design strategies.
- conduct research to solve basic design problems.
- solve problems and manage projects as part of a team.
- use quantitative thinking to translate concepts of a problemsolving task into mathematical language and solve using mathematical operations.
- communicate clearly in written, verbal, and graphic formats.

Admission Information See lanecc.edu/advtech/dft or contact the Advanced Technology Division, AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers drafting students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Contact Gerry Meenaghan, Drafting Co-op

Coordinator, Bldg 19, Rm.154. 541.463.5883, meenaghang@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 4 annually

Statewide openings - 66 annually

Lane County average hourly - \$22.47 to \$26.28; average annual - \$46,748 to \$ 54,655

Oregon average hourly - \$25.12 to \$29.11; average annual - \$52,258 to \$60.558

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$2,757
Program Specific Fees	\$731
Resident Tuition and General Student Fees	\$11,582

Total Estimated Cost \$15,070

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- Prerequisites are required for some courses. See course descriptions.
- PE/Health requirement, WR 121, and DRF 206 must be completed with a grade of "Pass" or "C-" or better.
- Human Relations and Health/PE choices are listed on the Associate of Applied Science degree page.
- All DRF and CST courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
Human Relations Requirement	3
CS120 Concepts of Computing: Information Processing or higher computer science	4
MTH 075 Applied Algebra for Technicians or higher	4
DRF 160 Computer-Aided Drafting and Design	4
Dru 100 Compater / traca Brating and Design	Winter
DRF 137 Architectural Plans	4
Directed Elective	4
MTH 085 Applied Geometry for Technicians or higher	4
CST 122 Construction Codes	2
	Spring
ET 121 Shop Practices	2
COOP 206 Co-op Ed: Internship Seminar	2
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition	4
DRF 121 Mechanical Drafting	4
DRF 245 Solid Modeling	4
Second Year	Fall
DRF 235 Mechanical Design Skills	4
DRF 210 Commercial Buildings	4
DS 155 Heavy Equipment Hydraulics	1 3
PE/Health Requirement	3 4
Diti 205 Dialing. Structures	•
	Winter
DRF 236 Machine Elements	4
DRF 200 Drafting: Strength of Materials	4
DRF 220 Building Information Modeling WR 227 Technical Writing	4
Wit 227 lecillical Wilting	•
	Spring
Directed Elective	3 - 4
Directive Elective	3 - 4
DRF 211 Sustainable Building Systems ENGR 280D Co-op Ed: Drafting	4
LINGIT 200D CO-OP EU. DIGITHING	3

#### **Directed Electives** ART 117 Basic Design: 3-Dimensional..... 3 ART 216 Digital Design Tools ..... 3 CIS 102 Problem Solving with Computers ..... CIS 140W Introduction to Operating Systems: Windows Clients..... 4 CIS 195 Web Authoring 1..... 4 CS 179 Introduction to Computer Networks ..... 4 CST 116 Construction Estimating ..... 1 DS 154 Heavy Duty Braking Systems..... 1 - 12 DS 257 Diesel Electrical Systems ..... DS 259 Diesel Engines and Engine Overhaul..... 1 - 12 GIS 151 Digital Earth..... 4 GIS 245 GIS 1 ..... 4 GS 104 Physical Science..... 4 GS 105 Physical Science..... 4 MFG 101 Safety and Basic Shop Practice ..... 3 MUL 101 Introduction to Media Arts ..... MUL 212 Digital Imaging ..... 4 1 - 4 WLD 143 Wire Drive Welding 1.....

### **Drafting**

Offered by the Advanced Technology Division, 541.463.5380

WLD 151 Fundamentals of Metallurgy.....

#### **One-Year Certificate of Completion**

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose The Drafting program trains and prepares graduates from diverse backgrounds to work with and assist architects, engineers, other designers, and technicians as part of construction, manufacturing, or engineering teams. Coursework prepares graduates to work collaboratively as design paraprofessionals across a range of capacities using a variety of software platforms. Students build skills in problem-solving, analysis, technical graphics, and basic design. Successful graduates are able to communicate effectively in multiple formats.

**Learning Outcomes** The student who successfully completes all Drafting requirements will:

- demonstrate basic competence in the use of CAD and solid modeling software.
- visualize three-dimensional objects from multiple viewing directions and translate three-dimensional objects into twodimensional drawings.
- create mechanical and architectural drawings which follow recognized national standards for format, annotation, lines, and symbols.
- communicate clearly in written, verbal, and graphic formats.

Admission Information See Ianecc.edu/advtech/dft or contact the Advanced Technology Division, AdvTechPrograms@Ianecc.edu

**Advising and Counseling** *classes.lanecc.edu/course/view. php?id=31255* 

Cooperative Education (Co-op) Co-op offers drafting students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Contact Gerry Meenaghan, Drafting Co-op Coordinator, Bldg 19, Rm. 154. 541.463.5883, meenaghang@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 4 positions Statewide: 66 positions

Lane County average hourly - \$22.47 to \$26.28; average annual - \$46,748 to \$ 54,655

Oregon average hourly - \$25.12 to \$29.11; average annual - \$52,258 to \$60.558

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,246
Program Specific Fees	\$372
Resident Tuition and General Student Fees	
_	

Total Estimated Cost \$7,483

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

17-3011.01

1 - 3

Go to the Department of Labor's O\*Net website for a profile of this occupation: Architectural Drafters Onetonline.org/link/summary/17-3011.01 Or check on these O\*Net Related Occupations: Civil Drafters onetonline.org.link/summary/17-3011.02 Mechanical Drafters onetonline.org/link/summary/17-3013.00

In academic year 2014-15, 9 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

- Prerequisites are required for some courses. See course descriptions.
- PE/Health requirement, WR 121, and DRF 206 must be completed with a grade of "Pass" or "C-" or better.
- Human Relations and Health/PE choices are listed on the Associate of Applied Science degree page.
- All DRF and CST courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

	Fall
CS 120 Concepts of Computing: Information Processing or higher computer science	4 3 4 4
	Winter
DRF 137 Architectural Plans	4
MTH 085 Applied Geometry for Technicians or higher	4
Directed Elective: Choose One	4
CST 122 Construction Codes	2
	Spring
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition	4

ET 121 Shop Practices	2
DRF 121 Mechanical Drafting	4
DRF 245 Solid Modeling	4
Directed Electives	
ART 117 Basic Design: 3-Dimensional	3
ART 216 Digital Design Tools	3
CIS 102 Problem Solving with Computers	4
CIS 140W Introduction to Operating Systems:	
Windows Clients	4
CS 179 Introduction to Computer Networks	4
CST 116 Construction Estimating	4
GIS 151 Digital Earth	4
GIS 245 GIS 1	4
GS 104 Physical Science	4
GS 105 Physical Science	4
MUL 212 Digital Imaging	4
WLD 143 Wire Drive Welding 1	1 - 4

## **Early Childhood Education**

Offered by the Social Science Department, 541.463.5427

Associate of Applied Science Degree

One-Year Certificate of Completion - Early Childhood Education

Career Pathway Certificate - Early Childhood Teacher Aide

Career Pathway Certificate - Guidance and Curriculum

**Career Pathway Certificate - Infant and Toddler** 

Program Coordinator Jean Bishop, bishopj@lanecc. edu;541.463.5287, Building 24, Room 121. Please also see Jean to set up a student teaching (ECE 240) schedule.

Purpose An academic program designed to develop skilled professionals to work in a variety of early childhood settings such as: private and public child care centers, in-home family child care and early intervention programs. Graduates care for and educate young children and may work with families and communities as parenting coaches, policy makers and advocates.

Learning Outcomes The student who successfully completes all Early Childhood Education requirements will: choose age-appropriate guidance strategies that enhance each child's self-esteem and self worth. The strategies must develop in children the ability to solve their own problems in challenging situations and in everyday life. design and effectively use Reggio and other inspired curriculum approaches to maximize children's abilities to make choices, explore personal power and develop empathy and caring. facilitate the operation of child development programs ranging from working with children and families to administration and management develop research skills and confidence to access information using print and computer resources, specifically the Internet, the library's on-line catalog and basic library reference sources master application of basic mathematics to use in everyday life and business transactions, including measurement, introduction of probability and statistics, reading graphs and tables, and signed numbers

- facilitate the operation of child development programs ranging from working with children and families to administration and management.
- develop research skills and confidence to access information using print and computer resources, specifically the Internet, the library's on-line catalog and basic library reference sources.
- master application of basic mathematics to use in everyday life and business transactions, including measurement, introduction of probability and statistics, reading graphs and tables, and signed numbers.
- choose age-appropriate guidance strategies that enhance each child's self-esteem as well as develop the ability to solve problems in challenging situations and in everyday life.

 design and effectively use Reggio and other inspired curriculum approaches to maximize children's abilities to make choices, explore personal power and develop empathy and caring.

Admission Information Please consult: lanecc.edu/socialscience/ece

Advising and Counseling Lori Areford and Josh Baker can be reached at *EducationAdvising@lanecc.edu*.

Cooperative Education (Co-op) Please contact Kathleen Lloyd, lloydk@lanecc.edu;541.463.5527, Building 24/27 Early Childhood Education (ECE) majors are required to complete 5 credits of ED280EC to earn the ECE AAS degree. Students are eligible to enroll in the course and work in an off-campus, community site once they have completed 3 terms of student teaching ECE 240. Cooperative education work sites and schedules vary.

#### Job Openings Projected through 2020

#### Childcare Worker

Lane County openings - 31 annually Statewide openings - 426 annually

#### Teacher Assistant

Lane County openings - 51 annually Statewide openings - 534 annually

#### **Preschool Teacher**

Lane County openings - 23 annually Statewide openings - 230 annually

#### Childcare Worker

Lane County average hourly wage - \$10.92; average annual - \$22.710

Oregon average hourly wage- \$11.95; average annual - \$24,852

#### Teacher Assistant

Lane County average annual - \$28,513

Oregon average annual -\$30,222

#### **Preschool Teacher**

Lane County average hourly wage- \$13.49; average annual - \$28,062

Oregon average hourly wage- \$14.91; average annual - \$31,026

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,800
Program Specific Fees	\$150
Resident Tuition and General Student Fees	\$8,650

Total Estimated Cost \$10,600

3

3

#### **Course Requirements**

- See course descriptions for prerequisite information
- MTH course must be taken for a grade, not P/NP
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.

First Year	Fall
ECE 110 Observing Young Children's Behavior	1
ECE 120 Introduction to Early Childhood	2
ECE 130 Guidance of Young Children	3
WR 115 Introduction to College Composition	4
ECE 105 Health and Safety Issues in Early Childhood	
Education	2
	Winter
ECE 150 Creative Activities for Children	3
ECE 170 Infants and Toddlers Development	4
MTH 025 Basic Mathematics Applications or higher	3

CG 203 Human Relations at Work.....

Directed Elective (choose from list below).....

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

	Spring
CG 213 Improving Parent and Child Relationships	6
ECE 160 Exploring Early Childhood Curriculum	4
FN 130 Family Food and Nutrition	3
Directed Elective (choose from the list below)	3
HDFS 226 Child Development	3
ECE 240 Supervised Student Teaching, LCC Child	
Care Center	4
Second Year	Fall
ECE 240 Supervised StudentTeaching, LCC Child	
Care Center	4
ECE 210 - Applying Early Childhood Curriculum	4
Science/Math/Computer Science requirement	4
Arts/Letters requirement	3
	Winter
ECE 240 Supervised Student Teaching, LCC Child	
Care Center	4
Discipline Studies requirement, Choice of	
Arts and Letters	
Social Science	
Science/Math/Computer Science	4
ECE 230 Family, School, Community Relations	3
HDFS 227 Children Under Stress	3
	Spring
ED 280ECCo-op Ed: Early Childhood Ed	7
ECE 250 Infant and Toddler Environments	3
ECE 260 Administration of Child Care Programs	3
Choice of:	
Health Requirement	
Physical Education Activity requirement	3
• •	

#### **Directed Electives**

**Spring** 

Directed Elective (refer to list below) Directed electives may be selected from the following list. Alternative courses must be approved by the Program Coordinator in advance.

ENG 100 Children's Literature

HDFS 228 Young Children with Special Needs

ECE 253 Diversity Issues in Early Childhood Education

One extra term of ECE 240, Supervised Student Teaching, LCC Child Care Center.

CG 213 Improving Parent and Child Relationships ........

### **Early Childhood Education**

Offered by the Social Science, 541.463.5427

**One-Year Certificate of Completion** 

Program Coordinator Contact Jean Bishop, bishopj@lanecc. edu;541.463.5287, Building 24, Room 201. Please contact Jean to set up an ECE 240 student teaching schedule.

**Purpose** To prepare students for successful careers as early child-hood professionals in a variety of settings such as private and public child care programs as well as in-home family childcare.

Learning Outcomes The student who successfully completes all Early Childhood Education requirements will: choose age-appropriate guidance strategies that enhance each child's self-esteem and self worth. The strategies must develop in children the ability to solve their own problems in challenging situations and in everyday life. design and effectively use Reggio and other inspired curriculum approaches to maximize children's abilities to make choices, explore personal power and develop empathy and caring. develop research skills and confidence to access information using print and computer resources, specifically the Internet, the library's on-line catalog and basic library reference sources master application of basic mathematics to use in everyday life and business transactions, including measurement, introduction of probability and statistics, reading graphs and tables, and signed numbers

- master application of basic mathematics to use in everyday life and business transactions, including measurement, introduction of probability and statistics, reading graphs and tables, and signed numbers.
- choose age-appropriate guidance strategies that enhance each child's self-esteem and self worth. The strategies must develop in children the ability to solve their own problems in challenging situations and in everyday life.
- design and effectively use Reggio and other inspired curriculum approaches to maximize children's abilities to make choices, explore personal power and develop empathy and caring.
- develop research skills and confidence to access information using print and computer resources, specifically the Internet, the library's on-line catalog and basic library reference sources.

Admission Information lanecc.edu/socialscience/ece

Advising and Counseling Lori Areford, educationadvising@ lanecc.edu; Building 19, Room 254F Josh Baker educationadvising@lanecc.edu; Building 19, Room 253M

#### Job Openings Projected through 2020

Lane County openings - 23 annually

Statewide openings - 230 annually

Lane County average hourly wage- \$14.91; average annual - \$31.026

Oregon average hourly wage- \$13.49; average annual - \$28,062

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

25-2011.00

Go to the Department of Labor's O\*Net website for a profile of this occupation: Preschool Teachers, Except Special Education Onetonline.org/link/summary/25-2011.00

In academic year 2014-15, 10 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

- MTH course must be taken for a grade, not P/NP
- See course descriptions for prerequisite information
- For choices in Foundational Skills and Discipline Studies, see AAS degree description.
- All CG, ECE, ED, FN, HDFS, and directed electives must be taken for a grade, not P/NP, and must be passed with a 'C-' or better to fulfill program requirements

	Faii
ECE 105 Health and Safety Issues in Early Childhood	
Education	2
ECE 110 Observing Young Children's Behavior	1
ECE 120 Introduction to Early Childhood	2
ECE 130 Guidance of Young Children	3
WR 115 Introduction to College Composition	4
	Winter
CG 203 Human Relations at Work	3
Directed Elective (choose from list below)	3
ECE 150 Creative Activities for Children	3
ECE 170 Infants and Toddlers Development	4
MTH 025 Basic Mathematics Applications or higher	3
	Spring
HDFS 226 Child Development	3
Directed Elective (choose from list below)	3
ECE 240, Supervised Student Teaching, LCC Child	
Care Center	4
ECE 160 Exploring Early Childhood Curriculum	4
FN 130 Family Food and Nutrition	3

#### **Directed Electives**

Directed Elective (refer to list below) Directed electives may be selected from the following list. Alternative courses must be approved by the Program Coordinator in advance.

ENG 100 Children's Literature
HDFS 228 Young Children with Special Needs
ECE 253 Diversity Issues in Early Childhood Education
One extra term of ECE 240, Supervised Student Teaching,
LCC Child Care Center.
CG 213 Improving Parent and Child Relationships .........

### **Early Childhood Teacher Aide**

Offered by the Social Science Department, 541.463.5427

#### **Career Pathway Certificate**

**Program Coordinator** Application information is available from the Early Childhood Education program coordinator Jean Bishop, Bldg. 24, Rm. 121, 541.463.5287 and Enrollment and Student Financial Services, as well as online at *lanecc.edu/cfe/ece*.

Purpose Prepares student to work in an early childhood education setting as a Teacher Aide 1 as defined by the Oregon Child Care Division. Students completing this certificate will also achieve Level 7.5 in the Oregon Professional Development Registry for Early Childhood

#### Learning Outcomes The graduate will:

- develop a creative Imagination to understand suitable art forms to offer young children.
- be able to explain theories of development relating to the early years.
- express and understand the use of guidance that supports moral autonomy in young children.
- identify state rules and regulations regarding health and safety which govern licensing of early childhood programs.
- demonstrate in a supervised lab school setting awareness of consistent, appropriate guidance and developmentally appropriate.

Advising and Counseling Lori Areford can be reached at *educationadvising@lanecc.edu*. Leslie Soriano can be reached at *sorianol@lanecc.edu* or at 541.463.5512.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- All classes, with the exception of ECE 105 are articulated at LCC as College Now classes.
- ECE 105 and ECE 130 must be taken at LCC (or a similar class at another college) for college credit.

ECE 105 Health and Safety Issues in Early	
Childhood Education	2
ECE 120 Introduction to Early Childhood	2
ECE 130 Guidance of Young Children	3
ECE 150 Creative Activities for Children	3
HDFS 226 Child Development	3
ECE 240, Supervised Student Teaching,	
LCC Child Care Center.	4

### **Guidance and Curriculum**

Offered by the Social Science Department, 541.463.5427

**Career Pathway Certificate** 

**Program Coordinator** Jean Bishop, bishopj@lanecc.edu; 541.463.5287

Purpose Prepares graduates to work as early childhood education teaching assistants.

#### Learning Outcomes The graduate will:

- analyze teaching experiences and goals, then match planning to philosophy of teaching and educational practice.
- · explain theories of development relating to the early years.
- express and understand the use of developmentally appropriate guidance.
- identify developmental characteristics and developmental needs of young children in the areas of physical, intellectual, emotional, social and language development.

Advising and Counseling Lori Areford can be reached at *educationadvising@lanecc.edu*. Leslie Soriano can be reached at *sorianol@lanecc.edu* or at 541.463.5512.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

 All ECE courses must be taken for a grade, not P/NP, and must be passed with a 'C-' or better to fulfill program requirements

ECE 120 Introduction to Early Childhood	2
ECE 130 Guidance of Young Children	3
ECE 150 Creative Activities for Children	3
ECE 160 Exploring Early Childhood Curriculum	4
ECE 210 Applying Early Childhood Curriculum	4

#### Infant and Toddler

Offered by the Social Science Department, 541.463.5427

#### **Career Pathway Certificate**

Program Coordinator Jean Bishop, bishopj@lanecc. edu;541.463.5287, Building 24, Room 121

**Purpose** Prepares students to plan environments of high quality for infants and toddlers and to carry out developmentally appropriate curriculum.

Learning Outcomes The graduate will: choose suitable equipment and materials for infants and toddlers express and understand the use of developmentally appropriate guidance identify developmental characteristics and developmental needs of infants and toddlers in the areas of physical, intellectual, emotional, social and language development identify state rules and regulations which govern certification of infant and toddler centers

- choose suitable equipment and materials for infants and toddlers.
- express and understand the use of developmentally appropriate guidance.
- identify developmental characteristics and developmental needs of infants and toddlers in the areas of physical, intellectual, emotional, social and language development.
- identify state rules and regulations which govern certification of infant and toddler centers.

Admission Information Please consult: lanecc.edu/socialscience/ece

Advising and Counseling Lori Areford and Josh Baker can be reached at *Educationadvising@lanecc.edu*.

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

 All ECE and HDFS courses must be taken for a grade, not P/ NP, and must be passed with a 'C-' or better to fulfill program requirements

ECE 130 Guidance of Young Children	3
ECE 250 Infant and Toddler Environments	3
HDFS 226 Child Development	3
ECE 170 Infants and Toddlers Development	4
ECE 240 Supervised Student Teaching-	
LCC Child Care Center	4

# Electrician Apprenticeship Technologies

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

One-Year Certificate of Completion - Electrician Apprenticeship Technologies

Less than One-Year Certificate of Completion - Limited Electrician Apprenticeship Technologies

Career Pathway Certificate - Trade Worker Apprenticeship Technologies

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu

**Purpose** To provide a structured system of training in the electrician trade or occupation leading to certification and journey-level status, only for apprentices who are sponsored by individual employers, accepted by a Joint Apprenticeship Training Committee, and registered with the State of Oregon Bureau of Labor and Industries.

### Learning Outcomes The graduate will:

- perform the duties and responsibilities of the electrician trade/ occupation.
- · apply theory to electrical wiring.
- · demonstrate and use industry safety standards.
- develop attitudes conducive to improve customer relations skills in the electrician trade.
- develop communication and critical thinking skills necessary for job advancement.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- access library, computing, and communications services, and appropriately select information and data from regional, national, and international networks.
- represent, analyze and determine rules for finding patterns relating to linear functions, non-linear functions and arithmetic sequences with tables, graphs, and symbolic rules.
- adapt to new job requirements to qualify for advancement in becoming lead supervisors.
- repair and install electrical wire devices according to licensure regulations to meet National Electrical Code and Oregon Building Codes Division for Inside Wire Electrician, Limited Energy Technician-License A and License B, Limited Maintenance Electrician, and Manufacturing Plant Electrician.
- complete 4000-8000 hours State of Oregon-approved on-the-job-training.

**Licensing & Certification** An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual

has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. In addition, the Oregon community college Electrician Apprenticeship Technologies pathway provides statewide transfer opportunities, laddered certificates of completion, and an optional transfer path into Oregon Institute of Technology Bachelor of Science degree in Operations Management or Bachelor of Applied Science degree in Technology and Management. The Electrician Apprenticeship Technologies pathway includes an advising guide with a set of recommended courses that satisfy both the AAS degree and the Oregon Transfer Module (OTM). Students who complete the recommended set of OTM courses may apply for 45 credits of guaranteed block transfer to any other community college. Electrician trades require successful completion of trade-specific licensure examinations through the Oregon Building Codes Division.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. In most cases, minimum qualifications to begin an apprenticeship include a minimum age of 18 years, a high school diploma or GED, and high school or college level Algebra with a â€eC†grade or higher (or equivalent).

Advising and Counseling lanecc.edu/advising/advisors

#### **Job Openings Projected through 2020**

Lane County openings - 20 annually

Statewide openings - 273 annually

Lane County average hourly - \$30.24; average annual - \$62,902

Oregon average hourly - \$32.88; average annual - \$68,388

Apprentice Wages - Although wages vary, the average starting wage of an apprentice is about 50 percent of a journey worker's rate of pay. Apprentices usually earn a five-percent raise every six months if training and school performance is satisfactory. Check the Bureau of Labor and Industries website: *boli. state.or.us* 

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. Electrician Apprenticeship Technologies course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Costs of books and tools for the related training classes in the electrician programs vary with each individual trade/occupation.

Books	\$1,500
Resident Tuition and General Student Fees	\$10,000

Total Estimated Cost \$11,500

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- complete 4000-8000 hours State of Oregon-approved on-thejob training and provide a State of Oregon Apprenticeship Training Journey-level card or BOLI-ATD Certificate of Completion.
- demonstrate an equivalency of 90 credit hours, with a minimum of 24 credits at Lane, including the last term at Lane.
- complete all requirements for an AAS degree as listed below.
- earn a cumulative grade point average above 2.0 at Lane or transfer credits earned at other regionally accredited colleges or universities.
- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of 'C' or better.

General Education	
WR 115W Introduction to College Writing: Workplace	
Emphasis or higher	3
PE/Health Requirement	3 3
Human Relations requirement	3
Science/Math/Computer Science requirement	3
Choice of:	
Arts and Letters requirement Human Relations/Social Science requirement	
Science/Math/Computer Science requirement	3
MTH 060 Beginning Algebra or higher	4
Journeyman card from Oregon Bureau of Labor and In Apprenticeship and Training Division (22 credits)	ndustries
State of Oregon Apprenticeship Training Journey-level care BOLI-ATD Certificate of Completion	d or 22
Limited Maintenance Electrician (20-21 credits)	
APR 189 Shop Practices	2
APR 220 Electrical Apprenticeship Code and Exam	
PreparationAPR 191 Electrical Theory 2	2 - 3 4
APR 285 Motors	4
APR 286 Motors 2	4
APR 190 Electrical Theory 1	1 - 4
Limited Energy Technician License B (26-27 credits)	
APR 101A Trade Skills Fundamentals	4
APR 140 Electrical Systems Installation MethodsAPR 141 Limited Voltage Electrical Circuits	4 4
APR 142 Devices, Testing Equipment and Code	4
APR 143 Limited Voltage Cabling	4
APR 230 Floatised Appropriate Scale and Front	4
APR 220 Electrical Apprenticeship Code and Exam Preparation	2 - 3
•	2-3
Limited Energy Technician License A (38-39 credits) APR 101ATrade Skills Fundamentals	4
APR 140 Electrical Systems Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Devices, Testing Equipment and Code	4
APR 143 Limited Voltage Cabling	4 4
APR 220 Electrical Apprenticeship Code and Exam	
Preparation	2 - 3
APR 240 Audio and Intrusion Systmes	4
APR 241 Fire Alarm Systems and Nurse Call APR 242 Limited Voltage System Integration	4 4
Manufacturing Plant Electrician (38-41 credits)	4
APR 185 Shielded Metal Arc Welding 1	2
APR 189 Shop Practices	2
APR 220 Electrical Apprenticeship Code and Exam	
PreparationAPR 292 Programmable Controllers 3	6 - 9 4
APR 290 Programmable Controllers 1	4
APR 291 Programmable Controllers 2	4
APR 190 Electrical Theory 1	4
APR 191 Electrical Theory 2APR 285 Motors	1 - 4 1 - 4
APR 286 Motors 2	1 - 4
Inside Wire Electrician (45-48 credits)	
APR 130 Electrical Principles	5
APR 131 Electrical Principles/Residential Wiring	5
APR 132 Electrical Residential Wiring Lab	3
APR 133 Electrical Generators, Transformers, and Motors 1	5
APR 134 Electrical Generators, Transformers and	•
Motors 2	5
APR 135 Electrical, Generators, Transformers, and Motors Lab	3
APR 220 Electrical Apprenticeship Code and Exam	5
Duran a matter a	0 0

APR 225 Electrical Motor Controls	5
Reading	5
APR 227 Electrical System Troubleshooting	3
Program Electives to complete 90 credits for degree:	
Additional Electives	
CST 118 Building Construction	5
DRF 160 Computer-Aided Drafting and Design	4
APR 101 Trade Skills Fundamentals	4
APR 105 Electrical Wiring for the Trades	4
CS 120 Concepts of Computing: Information	
Processing	4
CST 110 Blueprint Reading 1	3
CST 111 Construction Orientation and Environment	2
HE 152 Drugs, Society and Behavior	3
HE 252 First Aid	3
MTH 085 Applied Geometry for Technicians	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	5
WLD 121 Shielded Metal Arc Welding 1	1 - 4

## **Electrician Apprenticeship Technologies**

Offered by the Advanced Technology Division, 541.463.5380

#### **One-Year Certificate of Completion**

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu

**Purpose** Students may earn a Certificate of Completion in Electrician Apprenticeship Technologies by successfully completing core related training credits, and completing related instruction in communications, computation, and human relations.

#### Learning Outcomes The graduate will:

- apply theory to electrical wiring.
- repair and install electrical wire devices according to licensure regulations to meet National Electrical Code and Oregon Building Codes Division for Inside Electrician, Limited EnergyTechnician-License A, and/or Manufacturing Plant Electrician.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. Licensing or Other Certification: Electrician trades require successful completion of trade-specific licensure examinations through the Oregon Building Codes Division.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Selection to the program is by a point system from a pool of qualified applicants. Information on the point system is available at the Oregon Bureau of Labor and Industries website: boli.state.or.us. In most cases, minimum qualifications to begin an apprenticeship include a minimum age of 18 years, a high school diploma with a GPA of 2.0 or higher or GED, and a minimum of a "C" grade for one year of high school algebra (or equivalent).

Advising and Counseling lanecc.edu/advising/advisors

#### Job Openings Projected through 2020

Lane County openings - 20 annually

Statewide openings - 273 annually

Lane County average hourly - \$30.24; average annual - \$62,902 Oregon average hourly - \$32.88; average annual - \$68,388 Apprentice Wages - Although wages vary, the average starting wage of an apprentice is about 50 percent of a journey worker's rate of pay. Apprentices usually earn a five-percent raise every six months if training and school performance is satisfactory. Check the Bureau of Labor and Industries website: *boli.state.or.us* 

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. Electrician Apprenticeship Technologies course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Costs of books and tools for the related training classes in the electrician programs vary with each individual trade/occupation.

Books	\$1,300
Resident Tuition and General Student Fees	\$7,200
<del>-</del>	

Total Estimated Cost \$8,500

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of 'C' or better.
- · To earn the certificate, student must:
- complete State of Oregon-approved on-the-job training and provide a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD Certificate of Completion:
- 6000-Hour BOLI-ATDTrade: Limited EnergyTechnician—License A
- 8000-Hour BOLI-ATD Trade: Inside Wire Electrician
- 8000-Hour BOLI-ATDTrade: Manufacturing Plant Electrician
- complete related instruction credits 9 (communication, computation, human relations)
- complete core-related training credits 38-48 Total Credits 47-57

#### Related Instruction (9 credits)

Communication	3
Computation	3
Human Relations	3

#### Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division

#### Limited Energy Technician License A (38-39 credits)

APR 101ATrade Skills Fundamentals	4
APR 140 Electrical Systems Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Devices, Testing Equipment and Code	4
APR 143 Limited Voltage Cabling	4
APR 144 Communications	4
APR 220 Electrical Apprenticeship Code and	
Exam Preparation	2 - 3
APR 240 Audio and Intrusion Systmes	4
APR 241 Fire Alarm Systems and Nurse Call	4
APR 242 Limited Voltage System Integration	4
Manufacturing Plant Electrician (38-41 credits)	
APR 189 Shop Practices	2
APR 220 Electrical Apprenticeship Code and	
Exam Preparation	6 - 9
APR 292 Programmable Controllers 3	4
APR 190 Electrical Theory 1	4
APR 185 Shielded Metal Arc Welding 1	2
APR 191 Electrical Theory 2	4
APR 285 Motors	4
APR 286 Motors 2	4
APR 290 Programmable Controllers 1	4
APR 291 Programmable Controllers 2	4
Inside Wire Electrician (45-48 credits)	
APR 130 Electrical Principles	5
APR 131 Electrical Principles/Residential Wiring	5

	APR 132 Electrical Residential Wiring LabAPR 133 Electrical Generators, Transformers, and	3
	Motors 1	5
	APR 134 Electrical Generators, Transformers and Motors 2	5
	APR 135 Electrical, Generators, Transformers, and	3
	Motors Lab	3
	APR 220 Electrical Apprenticeship Code and Exam Preparation	6 - 9
	APR 225 Electrical Motor Controls	5
	APR 226 Electrical Grounding/Bonding and Blueprint	_
	Reading	5 3
l	APR 227 Electrical System Troubleshooting	3

# Limited Electrician Apprenticeship Technologies

Offered by the Advanced Technology Division, 541.463.5380

Less than One-Year Certificate of Completion

**Program Coordinator** Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, *crumpj@lanecc.edu*.

Purpose Students may earn a Certificate of Completion in Limited Electrician Apprenticeship Technologies by successfully completing core related training credits and providing a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD Certificate of Completion.

#### Learning Outcomes Graduates will be able to:

 repair or install electrical wire devices according to limited licensure regulations to meet National Electrical Code and Oregon Building Codes Division for Limited Energy Technician-License B, and/or Limited Maintenance Electrician.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. Licensing or Other Certification: Electrician trades require successful completion of trade-specific licensure examinations through the Oregon Building Codes Division.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Selection to the program is by a point system from a pool of qualified applicants. Information on the point system is available at the Oregon Bureau of Labor and Industries website: boli.state.or.us. In most cases, minimum qualifications to begin an apprenticeship include a minimum age of 18 years, a high school diploma with a GPA of 2.0 or higher or GED, and a minimum of a "C" grade for one year of high school algebra (or equivalent).

Advising and Counseling lanecc.edu/advising/advisors

#### Job Openings Projected through 2020

Lane County openings - 20 annually

Statewide openings - 273 annually

Lane County average hourly - \$30.24; average annual - \$62,902

Oregon average hourly - \$32.88; average annual - \$68,388

Apprentice Wages - Although wages vary, the average starting wage of an apprentice is about 50 percent of a journey worker's rate of pay. Apprentices usually earn a five-percent raise every six months if training and school performance is satisfactory. Check the Bureau of Labor and Industries website: *boli. state.or.us* 

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. Electrician Apprenticeship Technologies course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Costs of books and tools for the related training classes in the electrician programs vary with each individual trade/occupation.

Books	\$875
Resident Tuition and General Student Fees	\$6,025
Total Estimated Cost	\$6,900

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C" or better.
- To earn the certificate, student must:
- complete 4000 hours State of Oregon-approved on-the-job training and provide a State of Oregon Apprenticeship Training Journeyman card or BOLI-ATD Certificate of Completion
- complete core related training 20-27 credits

# Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division (22 credits)

#### Limited Maintenance Electrician (20-21 credits)

APR 189 Shop Practices	2
APR 220 Electrical Apprenticeship Code and Exam P	
reparation	2 - 3
APR 190 Electrical Theory 1	4
APR 191 Electrical Theory 2	4
APR 285 Motors	4
APR 286 Motors 2	4
Limited Energy Technician License B (26-27 credits)	
APR 101A Trade Skills Fundamentals	4
APR 140 Electrical Systems Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Devices, Testing Equipment and Code	4
APR 143 Limited Voltage Cabling	4
APR 143 Limited Voltage CablingAPR 144 Communications	4
APR 144 Communications	

# Trade Worker Apprenticeship Technologies

Offered by the Advanced Technology

**Career Pathway Certificate** 

**Program Coordinator** Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, *crumpj@lanecc.edu*.

**Purpose** To provide a structured system of training in electrical fundamentals to prepare students with the foundational skills and knowledge required to enter the electrical trade.

#### Learning Outcomes The graduate will:

- complete 4000 hours State of Oregon-approved on-the-job training.
- successfully complete all required core related-training courses with a grade of â€eC†or better.
- · apply theory to electrical systems.
- repair and maintain electrical systems according to state and safety regulations for the electrical apprenticeship trades.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Information is available at *boli.state.or.us*.

#### Advising and Counseling lanecc.edu/advising/advisors

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### Limited Energy Technician License A (24 credits)

APR 101A Trade Skills Fundamentals	4 4 4 4 4
Manufacturing Plant Electrician (16 credits)	
APR 190 Electrical Theory 1	1 - 4 1 - 4
APR 191 Electrical Theory 2APR 285 Motors	1 - 4
APR 286 Motors 2	1 - 4
Inside Wire Electrician (26 credits)	
APR 130 Electrical Principles	5
APR 131 Electrical Principles/Residential Wiring	5
APR 132 Electrical Residential Wiring LabAPR 133 Electrical Generators, Transformers, and	3
Motors 1	5
APR 134 Electrical Generators, Transformers and	
Motors 2	5
APR 135 Electrical, Generators, Transformers, and	
Motors Lab	3

# **Energy Management Technician** (ONLINE)

Offered by the Institute for Sustainable Practices, 541.463.6160

**Associate of Applied Science Degree** 

Associate of Applied Science Degree Option - Energy Management Technician: Building Controls Technician Option

One-Year Certificate of Completion - Energy Management Technician

Program Coordinator Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu541.463.6160

Purpose The Energy Management Technician is exclusively online and prepares students for a career in Energy Management. Through this program, students will learn how residential and commercial building systems consume energy by understanding how they work and the interaction between one another. Students will be able to evaluate and measure consumption and make an informed recommendation on building system energy efficiency improvements. Employment is found with Government, Utilities, Engineering Firms, School Districts, Community Action Programs, and Residential Weatherization Practitioners!

**Learning Outcomes** Upon completion of this degree/certificate the graduate will:

- evaluate the energy use patterns for residential and commercial buildings and recommend energy efficiency measures and renewable energy solutions for high energy consuming buildings.
- understand the interaction between energy consuming building systems and make energy use reduction recommendations based on that understanding.
- construct energy evaluation technical reports and make presentations for potential project implementation.
- access library, computing and communications services, and obtain information and data from regional, national, and international networks.
- collect and display data as lists, tables, and plots using appropriate technology (e.g., excel and other computer software).
- develop and evaluate inferences and predictions that are based on collected data.
- interpret the concepts of a problem-solving task, and, using

mathematics, translate concepts into energy related projects.

- use appropriate library and digital information resources to research professional objectives and support lifelong learning.
- read and analyze building blue prints including floor, mechanical, and electrical plans. Read elevations, sections, schedules, and construction notes.

Accreditation Energy Management, Renewable Energy Program Accreditation awarded by the Interstate Renewable Energy Council, (IREC Standard 01022:2011 for accreditation and certification of renewable energy training programs and instructors).

Licensing & Certification Association of Energy Engineers Certified Energy Manager InTraining (EMIT)

Admission Information Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu.Students must apply to the program by completing an Energy Program application. Applicants must have completed Math 065 or 070 prior to enrollment. Individual courses may be taken with department/instructor approval.

**Advising and Counseling** Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu

Cooperative Education (Co-op) Co-op is a required and important part of the Energy Management program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the field. Students must complete six Co-op credits for the AAS degree. Students may use up to eighteen Co-op credits toward their degree requirements. Contact Gerry Meenaghan at: MeenaghanG@ lanecc.eduPhone: 541.463.5883 Office: Building 19, Room 154

#### Job Openings Projected through 2020

Employment opportunities in the Energy Management Industry are excellent. Students must consider the entire Western United States when seeking employment as those willing to relocate will have greater employment opportunities.

Energy Management: \$40,000-\$50,000 annually.

Total Estimated Cost \$11,227

#### **Course Requirements**

- Completion of Math 65 or Math 70 or Program Coordinator permission must be obtained prior to enrolling in the program.
- It is recommended but not required, that General Education requirements are taken prior to entering the program.
- Deviation from the prescribed course sequence will impact a student's ability to complete the program in a two year time frame.
- All NRG courses are offered fully online.
- MTH 95 can be taken any term but must be completed by the end of the first year.
- Directed Electives may be taken online or locally at Lane Community College or transferred in from another institution.
- Lane Community College does not offer CST 110, Ph 101/102, online. These courses must be taken locally at Lane Community College or transferred in from another institution.
- Health/PE requirement, Directed Electives, WR 121, and WR 227 may be taken any term.
- Prerequisites are required for some courses. See course descriptions.

First Year	Fall
MTH 095 Intermediate Algebra or higher	5

DT 122 MC EVCEL for Dusings	4
BT 123 MS EXCEL for BusinessNRG 101 Introduction to Energy Management	3
	4
PH 101 Fundamentals of Physics	3
Cor no blueprint neading r	_
	Winter
Choice of:	
WR 121 Academic Composition	
WR 121_H Academic Composition	4
NRG 111 Residential/Light Commercial Energy Analysis	3
PH 102 Fundamentals of Physics	4
NRG 103 Sustainability in The Built Environment NRG 154 Alternative Energy Technologies	3
NRG 154 Alternative Energy rechnologies	
	Spring
NRG 124 Energy Efficiency Methods	4
NRG 131 Lighting Fundamentals	3
WR 227 Technical Writing	4
NRG 121 Air Conditioning System Analysis	3
NRG 206 A/B Coop Seminar	2
Second Year	Fall
NRG 122 Commercial Air Conditioning System	
Analysis	3
Human Relations Requirement	3
WATR 202 Fostering Sustainable Practices	3
Directed Elective	3
	Winter
NRG 112 Commercial Energy Use Analysis	4
NRG 123 Energy Control Strategies	4
PE/Health Requirement	3
Directed Elective	3
51100100 E1001170	
	Spring
NRG 142 Energy Accounting	3
NRG 110 Energy Efficiency Industry Software	
Applications	4
NRG 280 Co-op Ed: Energy Management	6
Directed Electives	
DRF 167 CAD 1	4
DRF 168 CAD 2	4
BT 223 MS EXCEL for Business-Expert	4
SPAN 101 Spanish, First-Year	5
SPAN 102 Spanish, First-Year	5
BA 101 Introduction to Business	4
PS 297 Environmental Politics	4
PSY 201 General Psychology	4
COMM 100 Basic Communications	4
COMM 105 Listening and CriticalThinking	4
COMM 111 Fundamentals of Public Speaking	4
COMM 112 Persuasive Speech	4
COMM 218 Interpersonal Communication	4
MTH 111 College Algebra	5
Any Water Conservation Technician Course	
Additional NRG280 Coop Ed	
NRG 105 Green Careers Exploration	3

# **Energy Management Technician: Building Controls Technician Option**

Offered by the Institute for Sustainable Practices, 541.463.6160
Associate of Applied Science Degree Option

Program Coordinator Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu541.463.6160

Purpose Through this program, students will learn how residential and commercial building systems consume energy by understanding how systems work and the interaction between one another. Students will be able to evaluate and measure consumption and make an informed recommendation on building system energy efficiency improvements. Students will also learn the basics of Building Controls systems and how they are fundamental to achieving higher levels of energy efficiency through

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

building operation. Employment is found with Controls System Suppliers, Controls Installation Contractors, Government, Utilities, Engineering Firms, School Districts.

**Learning Outcomes** The student who successfully completes all Energy Management Technician: Building Controls Technician Option requirements will:

- access library, computing and communications services, and obtain information and data from regional, national, and international networks.
- collect and display data as lists, tables, and plots using appropriate technology (e.g., excel and other computer software).
- construct energy evaluation technical reports and make presentations for potential project implementation.
- develop and evaluate inferences and predictions that are based on collected data.
- evaluate the energy use patterns for residential and commercial buildings and recommend energy efficiency measures and renewable energy solutions for high energy consuming buildings.
- interpret the concepts of a problem-solving task, and, using mathematics, translate concepts into energy related projects.
- read and analyze building blue prints including floor, mechanical, and electrical plans.
- understand the interaction between energy consuming building systems and make energy use reduction recommendations based on that understanding.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- analyze a variety of commercial HVAC and lighting systems from a controls perspective.
- become familiar with modules and electronics commonly used to implement building automation schemes.
- · write building control systems schemes.
- · understand control system management software.
- diagnose and troubleshoot existing building control systems.

**Licensing & Certification** Association of Energy Engineers Certified Energy Manager InTraining (EMIT)

Admission Information Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu.Students must apply to the program by completing an Energy Program application. Applicants must have completed Math 065 or 070 prior to enrollment. Individual courses may be taken with department/instructor approval.

Advising and Counseling Roger Ebbage, Bldg. DCA, Rm. 404, ebbager@lanecc.edu

Cooperative Education (Co-op) Co-op is a required and important part of the Energy Management program. It provides relevant field experience that integrates theory and practice while providing opportunities to develop skills, explore career options, and network with professionals and employers in the field. Students must complete six Co-op credits for the AAS degree. Students may use up to eighteen Co-op credits toward their degree requirements. Contact Gerry Meenaghan at: MeenaghanG@ lanecc.eduPhone: 541.463.5883 Office: Building 19, Room 154

#### Job Openings Projected through 2020

Employment opportunities in the Energy Management - Building Controls Industry are excellent. Students must consider the entire Western United States when seeking employment, as those willing to relocate will have greater employment opportunities.

Building Controls Technician: \$40,000-65,000

Program Specific Fees	\$1,000
Resident Tuition and General Student Fees	\$10,227

Total Estimated Cost \$11,227

#### **Course Requirements**

- Completion of Math 65 or Math 70 or Program Coordinator permission must be obtained prior to enrolling in the program.
- It is recommended but not required, that General Education requirements are taken prior to entering the program.
- Deviation from the prescribed course sequence will impact a student's ability to complete the program in a two year time frame.
- Human Relations, Health/PE requirements, WR 121, and WR 227 may be taken any term.
- MTH 95 can be taken any term but must be completed by the end of the first year
- Prerequisites are required for some courses. See course descriptions.

First Year BT 123 MS EXCEL for Business NRG 101 Introduction to Energy Management PH 101 Fundamentals of Physics	<b>Fall</b> 4 3 4
MTH 095 Intermediate Algebra CST 110 Blueprint Reading	5 3 Winter
NRG 111 Residential/Light Commercial Energy Analysis	3 4 4 4
, , , , , , , , , , , , , , , , , , ,	Spring
NRG 121 Air Conditioning System Analysis	3 4 3 3 2
_	Summer
Choice of: WR 121 Academic Composition WR 121_H Academic Composition NRG280 - Cooperative Education: Energy Management	4
to be taken Summer term	6 <b>Fall</b>
NRG 185 Lighting Controls	<b>Fall</b> 4
NRG 122 Commercial Air Conditioning System Analysis	3
NRG 123 Energy Control Strategies	4
3	Winter
NRG 112 Commercial Energy Use Analysis	4
NRG 182 Commercial HVAC Controls	4
PE/Health requirement	3
	Spring
NRG 184 Direct Digital Controls 2	4 4 3

## **Energy Management Technician**

Offered by the Institution for Sustainable Practices 541.463.6160

**One-Year Certificate of Completion** 

**Program Coordinator** Roger Ebbage, *ebbager@lanecc.edu*541.463.6160

Purpose A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing energy-efficient systems or monitoring energy use. Includes instruction in principles of energy conservation, instrumentation calibration, monitoring systems and test procedures, energy loss inspection procedure,s energy conservation techniques, and report

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

preparation. Equipped with the appropriate set of skills, an Energy Management Technician also oversees the energy purchase and consumption of a building (residential or commercial) or portfolio of buildings. The Energy Management Technician will make energy efficiency recommendations to building owners as a result of investment level 3 energy audits.

Learning Outcomes Upon completion of this 1-year certificate, the student will be able to:

- evaluate the energy use patterns for residential and commercial buildings and recommend energy efficiency measures and renewable energy solutions for high energy consuming buildings.
- understand the interaction between energy consuming building systems and make energy use reduction recommendations based on that understanding.
- construct energy evaluation technical reports and make presentations for potential project implementation.
- access library, computing and communications services, and obtain information and data from regional, national, and international networks.
- collect and display data as lists, tables, and plots using appropriate technology (e.g., excel and other computer software).
- develop and evaluate inferences and predictions that are based on collected data.
- interpret the concepts of a problem-solving task, and, using mathematics, translate concepts into energy-related projects.
- use appropriate library and digital information resources to research professional objectives and support lifelong learning.
- read and analyze building blueprints including floor, mechanical, and electrical plans. Read elevations, sections, schedules, and construction notes.

**Licensing & Certification** Association of Energy Engineers Certified Energy Manager in Training (CEMEMIT)

**Admission Information** Contact Roger Ebbage, ebbager@ lanecc.edu or complete the program application: lanecc.edu/sustainability/nweei/program-admission-form

Advising and Counseling Roger Ebbage ebbager@lanecc.edu 541.463.6160, nweei.org/degrees/

Cooperative Education (Co-op) Coop is not required but available through the Lane Community College Cooperative Education. Contact Gerry Meenaghan, meenaghang@lanecc.edu541.463.5883

#### Job Openings Projected through 2020

Employment opportunities in the Energy Management and Building Automation (controls) industries are excellent. Students must consider the entire northwest when seeking employment as those willing to relocate will have the best employment opportunities.

\$40,000 - \$50,000 Annually

Costs Estimate based on 2017-18 tuition and fees. (Consult Lane's website for updated tuition.) Subject to change without notice.

Program Specific Fees	\$500
Resident Tuition and General Student Fees	\$6,000

Total Estimated Cost \$6,500

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- Completion of Math 65 or Math 70 or Program Coordinator permission must be obtained prior to enrolling in the program.
- Completion of Physics 102 or Program Coordinator permission must be obtained prior to enrolling in the program.

- MTH 95 can be taken any term.
- WR 227 can be taken any term.
- Human Relations Requirement can be taken any term.

	Fall
CG 203 Human Relations at Work	3
NRG 101 Introduction to Energy Management	3
WR 227 Technical Writing	4
MTH 095 Intermediate Algebra or higher	5
CST 110 Blueprint Reading 1	3
	Winter
NRG 111 Residential/Light Commercial Energy Analysis	3
NRG 121 Air Conditioning System Analysis	3
NRG 124 Energy Efficiency Methods	4
NRG 131 Lighting Fundamentals	3
PH 102 Fundamentals of Physics or higher	4
	Spring
NRG 112 Commercial Energy Use Analysis	4
NRG 142 Energy Accounting	3
NRG 110 Energy Efficiency Industry Software	
Applications	4
NRG 123 Energy Control Strategies	4
NRG 122 Commercial Air Conditioning System Analysis	3

## **Fabrication/Welding Technology**

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree

One-Year Certificate of Completion - Fabrication Welding

One-Year Certificate of Completion - Welding Processes

Career Pathway Certificate - Shielded Metal Arc Welder

Career Pathway Certificate - Wire Drive Welder

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose To prepare the graduate for employment in entry-level and higher positions in metal fabrication industries. Graduates will begin work in light or heavy metal fabrication as welders and/or fabricators. Training and experience can lead to careers in technical sales, supervision, estimating, quality control, inspection, specialty welding, and teaching, as well as self-employment. The Fabrication/Welding Certificate Program (the first year of the two-year degree) prepares graduates for employment as Welders/Fabricators. The Welding Processes Certificate Program prepares graduates for employment as Welder-Trainees or Welders.

Learning Outcomes The graduate of the AAS degree will:

- apply knowledge of forming, fitting, and welding processes.
- demonstrate entry-level fabrication techniques and welding processes and application including GTAW, structural and pipefitting, metallurgy, and quality control procedures.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- use blueprint-reading skills, cost estimating, applied science of materials, and mathematics necessary to the profession.
- · demonstrate and use industry safety standards.
- use mathematical formulas to calculate area, volume, and weight of metal objects.

Admission Information Normal program entry is fall term. A mandatory program orientation is held for new students for fall term (dates available from Advance Technology Counselor/Advisor). Contact Advisor/Counselor for assistance for winter and spring term entry, email: AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view. php?id=31255

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. In certain circumstances, Co-op experience may be substituted for major course work. Contact Chuck Fike, Fabrication/ Welding Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 47 annually

Statewide openings - 547 annually

Lane County average hourly - \$19.87 to \$26.07; average annual -\$41,316 to \$54,218

Oregon average hourly - \$18.45 to \$27.76; average annual - \$38,383 to \$57,732

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,654
Instruments/Tools	\$845
Program Specific Fees	\$3,430
Resident Tuition and General Student Fees	\$12,648

Total Estimated Cost \$18,577

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- · All WLD and MTH courses must be completed with a letter grade of "C-" or better. MFG course must be completed for a letter grade.
- WR115W and PE/Health requirement must be completed with a "C-" or better or Pass grade.
- Choices for requirements in Arts and Letters, Social Science, and Science are listed on the Associate of Applied Science degree page.
- · Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
WLD 112 Fabrication/Welding 1	12
MTH 085 Applied Geometry for Technicians	4
	Winter
WLD 113 Fabrication/Welding 2	12
CG 203 Human Relations at Work	3
	Spring
WLD 114 Fabrication/Welding 3	12
Emphasis	3
Second Year	Fall
MFG 101 Safety and Basic Shop Practice	3
WLD 215 Fabrication/Welding 4	12
Arts/Letters Requirement	
Social Science Requirement	3
	Winter
WLD 216 Fabrication/Welding 5	12
PE/Health Requirement	3
Science or Computer Science Course	3
	Spring
WLD 217 Fabrication/Welding 6	12
Welding Elective	3
Arts and Letters Requirement	3

## **Fabrication Welding**

Offered by the Advanced Technology Division, 541.463.5380

**One-Year Certificate of Completion** 

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose The Fabrication/Welding Certificate Program prepares graduates for employment as Welders/Fabricators.

Learning Outcomes The graduate of the Fabrication/Welding Technology One-Year Certificate of Completion will:

- read and build metal products from simple blueprints.
- use blueprints and other reference materials to calculate cost of materials necessary to the building of metal products.
- apply mathematics necessary to fabricate metal products.
- perform at entry-level typical industrial welding processes.
- demonstrate at entry-level use of certain machine tools commonly found in industry.
- demonstrate and use industry safety standards.
- use appropriate library and information resources to research professional issues and support lifelong learning.

Admission Information See lanecc.edu/advtech/wld or contact the Advanced Technology Division, AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view. php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. In certain circumstances, Co-op experience may be substituted for major course work. Contact Chuck Fike, Fabrication/ Welding Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 23 positions

Statewide: 257 positions

Lane County average hourly - \$19.97; average annual - \$41,546 Oregon average hourly - \$21.38; average annual - \$44,477

Costs Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$763
Instruments/Tools	\$300
Program Specific Fees	\$1,632
Resident Tuition and General Student Fees	\$5,865

Total Estimated Cost \$8,560

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

51-4121.06

Go to the Department of Labor's O\*Net website for a profile of this occupation: Structural Metal Fabricators and Fitters onetonline.org/link/summary/51-4121.06 Or check on these O\*Net Related Occupations: Welders, Cutters, and Welder Fitters onetonline.org.link/summary/51-2041.00

In academic year 2014-15, 6 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

70% of the Title IV students completed this certificate within 1 year. Note: The federally required method for calculating the on

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All WLD and MTH courses must be completed with a letter grade of "C-" or better.
- WR 115W must be completed with a "C-" or better or Pass grade.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

	ı an
WLD 112 Fabrication/Welding 1	12
MTH 085 Applied Geometry for Technicians	4
	Winter
WLD 113 Fabrication/Welding 2WR 115W Introduction to College Writing: Workplace	12
Emphasis	3
	Spring
WLD 114 Fabrication/Welding 3	12
CG 203 Human Relations at Work	3

## **Welding Processes**

Offered by the Advanced Technology Division, 541.463.5380

**One-Year Certificate of Completion** 

**Program Coordinator** Tracy Rea, Bldg. 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** To prepare the graduate for employment for entry-level and higher positions in metal fabrication industries. The graduate begins work in light or heavy metal fabrication as welders. Training and experience can lead to careers in technical sales, supervision, estimating, quality control, inspection, specialty welding, and teaching. The welding processes certificate program prepares graduates for employment as welder-trainees or welders.

**Learning Outcomes** The graduate of the Welding Processes One-Year Certificate of Completion will:

- read simple blueprints, interpret and apply industrial welding symbols.
- demonstrate proficiency at an industry entry-level with Shielded Metal Arc Welding, various wire drive processes and Gas Tungsten Arc Welding.
- weld and cut metal as is typical of circumstances found in industrial environments.
- demonstrate and use industry safety standards.

Admission Information See Ianecc.edu/advtech/wld or contact the Advanced Technology Division, AdvTechPrograms@Ianecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites

vary. In certain circumstances, Co-op experience may be substituted for major course work. Contact Chuck Fike, Fabrication/ Welding Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Room 119B. 541.463.5078. fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 23 positions

Statewide: 257 positions

Lane County average hourly - \$19.97; average annual - \$41,546

Oregon average hourly - \$21.38; average annual - \$44,477

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$652
Instruments/Tools	\$385
Program Specific Fees	\$1,890
Resident Tuition and General Student Fees	
Total Estimated Cost	\$9,266

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

Fall

- Prerequisites are required for some courses. See course descriptions.
- All WLD and MTH courses must be completed with a letter grade of "C-" or better. WR 115W must be completed with a "C-" or better or Pass grade.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.

		Fall
	MTH 085 Applied Geometry for Technicians	4
,	WLD 111 Blueprint Reading for Welders	3
,	WLD 256 Gas Tungsten Arc Welding 2	3
,	WLD 121 Shielded Metal Arc Welding 1	4
	WLD 143 Wire Drive Welding 1	4
	WLD 160 Wire Drive Welding 4	4
		Winter
	Directed Elective	1 - 4
	WLD 257 Gas Tungsten Arc Welding 3	3
	CG 203 Human Relations at Work	3
	WLD 122 Shielded Metal Arc Welding 2	4
	WLD 154 Wire Drive Welding 2	4
		Spring
,	WLD 242 Gas Tungsten Arc Welding 1	3
	WR 115W Introduction to College Writing: Workplace	
	Emphasis	3
	WLD 159 Wire Drive Welding 3	4
	Directed Electives	
	DRF 160 Computer-Aided Drafting and Design	4
	ENGR 280W Co-op Ed: Welding	3 - 12
	WLD 139 Welding Lab	1 - 3
	WLD 140 Welder Qualification (Cert): Wire Drive	. 0
	Processes	3
	WLD 141 Welder Qualification (Cert): SMAW	3
	WLD 142 Pipe Welding Lab: Carbon Steel	3
		Ū

#### Shielded Metal Arc Welder

Offered by the Advanced Technology Division, 541.463.5380

**Career Pathway Certificate** 

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose**To prepare the graduate for employment for entry-level positions in the metal fabrication industry.

Learning Outcomes The graduate will:

- demonstrate proficiency at a industry entry-level with Shielded Metal Arc Welding.
- weld and cut metal as is typical of circumstances found in industrial environments.
- · demonstrate and use industry safety standards.

**Admission Information** See *lanecc.edu/advtech/wld* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

**Advising and Counseling** *classes.lanecc.edu/course/view. php?id=31255* 

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. In certain circumstances, Co-op experience may be substituted for major course work. Contact Chuck Fike, Fabrication/ Welding Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 1 positions Statewide: 11 positions

Lane County average hourly - \$20.23; average annual - \$42,075 Oregon average hourly - \$18.45; average annual - \$38,383

**Costs** (Estimate based on 2017-18 data for full-time students. Consult Lane's website for updated tuition and fees.

Books	\$267
Program Specific Fees	\$630
Resident Tuition and General Student Fees	\$2,192
_	

Total Estimated Cost \$3,089

E-II

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.
- Students may be able to substitute an alternative welding course. Please see an academic advisor to arrange preapproved substitutions.

WLD121 Shielded Metal Arc Welding 1 MTH 085 Applied Geometry for Technicians	4 4
WLD122 Shielded Metal Arc Welding 2	Winter 4
WLD141 Welder Qualification (Certification): SMAW	Spring 3

#### Wire Drive Welder

Offered by the Advanced Technology Division, 541.463.5380

**Career Pathway Certificate** 

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose**To prepare the graduate for employment for entry-level positions in the metal fabrication industry.

#### Learning Outcomes The graduate will:

 demonstrate proficiency at a industry entry-level with various wire drive processes.

- weld and cut metal as is typical of circumstances found in industrial environments.
- · demonstrate and use industry safety standards.

Admission Information See lanecc.edu/advtech/wld or contact the Advanced Technology Division, AdvTechPrograms@lanecc.edu

Advising and Counseling classes.lanecc.edu/course/view.php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. In certain circumstances, Co-op experience may be substituted for major course work. Contact Chuck Fike, Fabrication/ Welding Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 1 positions Statewide: 11 positions

Lane County average hourly - \$20.23; average annual - \$42,075 Oregon average hourly - \$18.45; average annual - \$38,383

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$274
Program Specific Fees	\$702
Resident Tuition and General Student Fees	\$2,192
Total Estimated Cost	\$3,168

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- Minimum placement score of 68 in Reading, or completion of RD 080, or RD 087 AND EL 115, or prior college. A high school diploma or equivalent is recommended for all applicants to this program.
- Students may be able to substitute an alternative welding course. Please see an academic advisor to arrange preapproved substitutions.

	Fall
WLD143 Wire Drive Welding 1	4
MTH 085 Applied Geometry for Technicians	4
	Winter
WLD154 Wire Drive Welding 2	4
	Spring
WLD140 Welder Qualification (Certification): Wire Drive	3

# **Fitness and Lifestyle Specialist**

Offered by the Health, Physical Education and Athletics Division, 541.463.5545

**One-Year Certificate of Completion** 

Career Pathway Certificate - Group Exercise Instructor Certificate

Program Coordinator Call Wendy Simmons,541.463.5551

**Purpose** The Fitness Specialist Certificate is to prepare students for various careers in the fitness industry, including personal training, group exercise instruction, coaching, wellness coaching.

### **Learning Outcomes** The graduate will:

 administer various basic fitness assessments including the measurement of cardiovascular endurance, body composition,

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

flexibility, muscular strength and endurance in gym or health club settings.

- apply and interpret basic algebraic formulas to fitness assessment data and exercise programming.
- demonstrate interpersonal skills in the areas of leadership, motivation, and communication.
- design and demonstrate safe and effective exercise programs for apparently healthy individuals and groups within current fitness industry standards and best practices.
- respond to the needs of a diverse clientele and demonstrate inclusive practices.
- understand and apply basic behavior modification strategies to enhance exercise and health behavior change with clients.
- understand and apply basic exercise principles related to applied kinesiology, physiology, injury prevention, conditioning, resistance training, and functional training.
- understand and apply nationally recognized standards for fitness and overall health and describe the benefits and precautions associated with exercise.
- understand their scope of practice and role within the health and fitness field and the allied health care system and practice appropriate and ethical professional conduct.

**Admission Information** Please consult *lanecc.edu/healthpe/fitness-specialist-information* 

#### Job Openings Projected through 2020

**Total Annual Openings** 

Oregon: 177
Lane: 23
Average Hourly
Oregon: \$19.23
Lane: \$19.11
Average Annual
Oregon: \$40,000
Lane: \$39,737

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$390
Resident Tuition and General Student Fees	\$5,688

Total Estimated Cost \$6,078

## **Gainful Employment Disclosure**

39-9031.00

Standard Occupational Classification: 39-9031.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Fitness Trainers and Aerobics Instructors Oneton-line.org/link/summary/39-9031.00 Or check on these O\*Net Related Occupations: Recreation Workers onetonline.org.link/summary/39-9032.00

In academic year 2014-15, 12 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better

prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

		Fall
	HE 161 Cardiopulmonary Resuscitation Choice of:	1
	PE106Yogilates	
	PE108 Conditioning PE117 Strength Training	
	PE137 Gentle Yoga	1
	FLS 120 Fitness Assessment & Exercise Prescription	
	Field Techniques	3
	FLS 130 Principles of Strength Training and Conditioning Instruction	2
	FLS 140 Applied Exercise Physiology 1	3
	MTH 020 Math Renewal	4
	FLS 195 Interdisciplinary Practicum	1
		Winter
	Choice of:	
	PE106 Yogilates PE108 Conditioning	
	PE117 Strength Training	1
	WR121 Academic Composition WR121_H A	
	cademic Composition	4
	FLS 150 Techniques of Group Exercise Leadership FLS 160 Applied Anatomy and Kinesiology	2
	FLS 170 Mental Dynamics of Exercise and Sport	3
	FLS 195 Interdisciplinary Practicum	1
		Spring
	FLS185 Career Preparation	3
	Choice of: HE222 Consumer Health	
	HE250 Personal Health	
	HE252 First Aid	
	HE275 Lifetime Health & Fitness	
	HE255 Global Health and Sustainability	3 - 4
	Human Relations RequirementFLS 190 Injury Prevention and Management	3
	FLS 195 Interdisciplinary Practicum	2
	FLS 110 Coaching Healthy Eating	2
ı		

## **Group Exercise Instructor Certificate**

Offered by the Health, Physical Education and Athletics Division, 541.463.5545

**Career Pathway Certificate** 

Program Coordinator Call Wendy Simmons, 541.463.5551.

Purpose Prepare students to become instructors in group fitness activities, such as aerobics, step, cycling, circuit, yoga, muscle conditioning, interval and other group exercise modalities. The curriculum and Interdisciplinary Practicum experiences serve as an entry point into the career of instructing group exercise. National certification and further training in specific styles of group exercise is often required.

**Learning Outcomes** Upon completion of this certificate, students will:

- demonstrate excellent interpersonal skills in the areas of leadership, exercise motivation, and communication (written, verbal, and non-verbal).
- design, evaluate, and instruct safe and effective group exercise classes utilizing a variety of exercise modalities.
- understand the role of proper nutrition and training techniques as they relate to physical fitness and weight management.
- apply nationally recognized standards for group exercise instruction.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- appropriately modify and adapt group classes to meet the needs of a variety of participants.
- communicate to participants the benefits, risks, and precautions involved with participation in group exercise.
- identify and communicate the unique benefits of group exercise in the health and fitness industry.
- identify and implement risk management strategies and safety precautions to ensure a safe and productive exercise experience for all participants.

#### Job Openings Projected through 2020

**Total Annual Openings** 

Oregon: 177 Lane: 23 Average Hourly

Oregon: \$19.23 Lane: \$19.11 Average Annual Oregon: \$40,000 Lane: \$39,737

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$250
Resident Tuition and General Student Fees	\$1,545

Total Estimated Cost \$1,795

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

	Fall
FLS 120 Fitness Assessment & Exercise Prescription Field Techniques	3
Conditioning Instruction	2
FLS 140 Applied Exercise Physiology 1	3
FLS 195 Interdisciplinary Practicum	1
HE 161 Cardiopulmonary Resuscitation	1
	Winter
FLS 150Techniques of Group Exercise Leadership	Winter 2
FLS 150 Techniques of Group Exercise Leadership	
	2
FLS 160 Applied Anatomy and Kinesiology	2

# **Flight Technology**

Offered by the Lane Aviation Academy, 541.463.4195

**Associate of Applied Science Degree** 

Program Coordinator Paul Lancaster - Chief Flight Instructor

**Purpose** To prepare students for successful careers as pilots in the air transportation industry.

**Learning Outcomes** The student who successfully completes all Flight Technology requirements will:

- be certificated by the FAA as commercial pilot with an option for being FAA certified as a Flight Instructor.
- have FAA pilot certification and be legally qualified for an entrylevel position in the commercial aviation industry.
- have knowledge and skills to serve in responsible positions in a corporate aviation department.
- be skilled in the use of multiple industry libraries and data base systems and be skilled as a researcher in the aviation industry.
- be skilled in the use of various systems of measure and conversion; be skilled in the use of performance tables and graphs; plot data manually and electronically to determine performance and trends.

- skillfully access a multitude of library accessible resources for applications information and topical research projects; be skilled in the use of local and national libraries and databases.
- accurately use systems of measure, skillfully perform unit conversions, and be skilled in computational analysis defining airplane operational performance; accurately use performance tables, charts and graphs; use interpolation to derive implied values; and be skilled in the use of aviation specific manual and electronic calculators to determine time, rate and trends.

Accreditation Flight Technology Private Pilot Instrument and Commercial Flight Training is FAA Part 141 approved.

**Licensing & Certification** After successful completion of the college courses and completion of the subsequent FAA practical tests, the student will receive FAA Private Pilot, Instrument Rating and Commercial Pilot Certificates.

Admission Information Contact Lane Aviation Academy: Ianecc. edu/aviationacademy Phone:541.463.4195 Email: flight@lanecc. edu

Advising and Counseling Flight Technology Program Advisors are: \* Claudia Riumallo: Office: Bldg. 12, Rm.120 A, Phone: 541.463.5378, Email: RiumalloC@lanecc.edu \* Sarah Rick: Office: Bldg. 12, Rm.119 B, Phone: 541.463.5292, Email: RickS@lanecc.edu Advisor Drop-in hours are updated weekly at: lanecc.edu/advtech/counselor-and-advisor-drop-hours

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Contact Chuck Fike, Flight Technology Co-op Coordinator, Bldg. 19, Rm. 231, 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings: 18 annually

Statewide openings: 80 annually

National openings: 10,620+ annually for commercial pilots, aircraft pilots and flight engineers, and airline pilots and copilots

Flight instructors earn from \$15,000-45,000.

Entry-level airline pilots earn \$28,000 through their probationary period.

Air carrier line pilots earn \$45,000-250,000 annually.

**Costs** Estimate based on 2017-18 costs and are subject to change. See the online credit class schedule for the most current information.

Books	\$1,800
Certification, Licensure, Exams, Physicals	\$1,000
Instruments/Tools	\$300
Program Specific Fees	\$45,803
Resident Tuition and General Student Fees	\$12,233

Total Estimated Cost \$61,136

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All GS and FT courses (except FT 102) must be completed with a letter grade, not P/NP, and must be passed with a grade of 'C-' or better to satisfy program requirements.
- CS 120, FT 102, MTH 095 and WR 121 must be completed with a grade of 'C-' or better.
- Choices for Arts and Letters and Human Relations requirements are listed on the Associate of Applied Science degree page. Students may complete the 3 credits of Arts and Letters and 3 credits of Human Relations prior to program entry.
- A VIB (Veterans Information Bulletin) with current program

costs is provided in Flight Technology's initial Application Packet.

- Graduates may also transfer to a four-year university preparing for a professional degree
- All Private, Instrument, and Commercial flight courses must be completed to fulfill the AAS degree requirements.
- Private Pilot courses are to be chosen based on student size. Students under 220 lbs, under 6'2", under 39" sitting height choose FT 141, FT 142, and FT 143. Students at or above these limits choose FT 141W, FT 142W, and FT143W.
- Students must complete the 105 required core credits to be awarded the AAS in Flight Technology.

#### **Prerequisites**

First Vear

An applicant may complete the following courses prior to program entry: \* Arts and Letters requirement: 3 credits \* Human Relations requirement: 3 credits

First Year	Fall
Choice of:	
FT 141 Private Pilot - Stage One	
FT 141W Private Pilot - Stage One	6
FT 102 General Aviation Careers	1
FT 103 Aircraft Safety Development	4
FT 250 Private Pilot Ground School	5
	Winter
Choice of:	
FT 142 Private Pilot - StageTwo	
FT 142W Private Pilot - StageTwo	3
Choice of:	
FT 143 Private Pilot - StageThree	
FT 143W Private Pilot - StageThree	3
MTH 095 Intermediate Algebra or higher mathematics	5
	Spring
FT 115 Aircraft Structures and Systems	3
FT 221 Commercial Pilot - Stage One	3
FT 222 Commercial Pilot - Stage Two	3
FT 251 Commercial Pilot Ground School	4
FT 261 AirTraffic Control and Airspace	1
Choice of:	
WR 121 Composition: Academic Composition or	
higher writing	
WR 121_H Composition: Academic Composition or	_
higher writing	4
	Summer
FT 201 Instrument Rating - Stage One	Summer 4
FT 201 Instrument Rating - Stage One	4
FT 201 Instrument Rating - Stage One FT 223 Commercial Pilot - Stage Three Second Year	4 2
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b>
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b>
FT 201 Instrument Rating - Stage One FT 223 Commercial Pilot - Stage Three  Second Year GS 109 Meteorology CS 120 Concepts of Computing or higher computer	4 2 <b>Fall</b> 5
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b> 5
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b> 5 4 4
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b> 5 4 4 4
FT 201 Instrument Rating - Stage One	4 2 <b>Fall</b> 5 4 4 4 4
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 1 Winter 5
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3 3 Spring
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3 3 3 3
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3 3 Spring 3
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3 3 Spring 3 2
FT 201 Instrument Rating - Stage One FT 223 Commercial Pilot - Stage Three  Second Year GS 109 Meteorology CS 120 Concepts of Computing or higher computer science FT 224 Commercial Pilot - Stage 4 FT 252 Instrument Ground School FT 262 Aviation Law and Regulations  FT 202 Instrument Rating - Stage Two FT 254 Aerodynamics FT 256 Flight Instructor-Airplane and Instrument Flight Instructor-Airplane Ground School PE/Health requirement  BA 254 General Aviation Management FT 228 Multiengine Ground School FT 203 Instrument Rating - Stage Three FT 255 Fundamentals of Instruction and Human Factors	4 2 Fall 5 5 4 4 4 1 1 Winter 5 3 3 Spring 3 2 2 3 3 3
FT 201 Instrument Rating - Stage One	4 2 Fall 5 4 4 4 1 Winter 5 3 3 Spring 3 2 3 3 Summer
FT 201 Instrument Rating - Stage One FT 223 Commercial Pilot - Stage Three  Second Year GS 109 Meteorology CS 120 Concepts of Computing or higher computer science FT 224 Commercial Pilot - Stage 4 FT 252 Instrument Ground School FT 262 Aviation Law and Regulations  FT 202 Instrument Rating - Stage Two FT 254 Aerodynamics FT 256 Flight Instructor-Airplane and Instrument Flight Instructor-Airplane Ground School PE/Health requirement  BA 254 General Aviation Management FT 228 Multiengine Ground School FT 203 Instrument Rating - Stage Three FT 255 Fundamentals of Instruction and Human Factors	4 2 Fall 5 5 4 4 4 1 1 Winter 5 3 3 Spring 3 2 2 3 3 3

Additional Electives	
FT 249 ATP	1 - 6
FT 249 CFIA	1 - 6
FT 249 CFII	1 - 6
FT 249 MEI	1 - 4
FT 249 Multiengine	1 - 3
FT 280 Co-op Ed: Flight Technology (optional)	3
FT 124 UAS Flight Lab	1 - 6
FT 123 UAS Commercial Test Prep	3

# **Geographic Information Science**

Offered by the Social Science Division, 541.463.5427

Less than One-Year Certificate of Completion

**Program Coordinator** Lynn Songer, *songerl@lanecc.edu*, 541.463.5493

Purpose The GIS less-than-one-year certificate is to provide students with the technical skills and geospatial content to employ geospatial information science (GIS) in support of their career and education goals in: science, business, resource management, public safety, and urban and regional planning. GIS 151, GIS 245 and GIS 246 transfer to many Oregon four-year colleges and support current graduates and working professionals as they update their technical skills. The GIS classes are required or directed elective in several AAS degrees such as: Computer Aided Design, Environmental Science, Programming, Criminal Justice, General Science and Civil Engineering.

**Learning Outcomes** The student who successfully completes all Geographic Information Science requirements will:

- collect and input data into a GIS system using: GPS, Digitizing, Geocoding.
- · create, manage, and update spatial data.
- design and generate various cartographic products for planning or presentations.
- manage information in a GIS database.
- perform routine data analysis-buffer, query, union, intersect.

**Accreditation** Endorsed by the National GEO Tech Center of Excellence.

**Advising and Counseling** Andi Graham Academic Advisor or Ben Fisher Academic Advisor at socsci-*llcprograms@lanecc.edu* 

#### Job Openings Projected through 2020

Lane County openings current number 4 annually

Statewide openings current number 48 annually

Lane County average hourly- \$28.93 average annual- \$60,176

Oregon average hourly-\$31.33 average annual - \$65,179

Costs The software is designed to run on a PC with Windows operating system. For a MAC you will need to add a dual boot with Windows.

Books	\$200
Program Specific Fees	\$105
Resident Tuition and General Student Fees	\$1,520
Total Estimated Cost	\$1,825

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### Prerequisite

CIS 101 Computer Fundamentals MTH 060 Beginning Algebra or higher

#### **Course Requirements**

GIS 151 Digital Earth	4
GIS 245 GIS 1	4
GIS 246 GIS 2	Δ

## **Graphic Design**

Offered by the Arts Division, 541.463.5409

**Associate of Applied Science Degree** 

Program Coordinator Contact Arts Division, Bldg. 11, Room 101

**Purpose** To prepare graduates for entry-level positions in the fields of graphic and digital design.

**Learning Outcomes** The student who successfully completes all Graphic Design requirements will:

- design a variety of graphic materials including advertising, corporate identity, publications, packaging, signage, marketing, and the internet.
- solve graphic communication problems through the use of computer technology used in the field.
- demonstrate understanding of fundamental art, communication, and marketing principles in the development of design solutions.
- demonstrate understanding of professional business standards and practices.
- demonstrate ability to design and produce materials that will meet professional standards for reproduction.
- use appropriate library and information resources to research design problems, issues, and technology as well as to support lifelong technical learning.

Admission Information Open admission for first year. Limited admission for second year. See *lanecc.edu/mediaarts/graphic design/second-year-graphic-design-program*.

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. A minimum of six credits of Co-op in graphic design is required for completion of the graphic design program. Contact Teresa Hughes, Graphic Design Cooperative Education Coordinator, Bldg. 17, Rm. 106, 541.463.3179, hughest@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 11 annually

Statewide openings - 1328 annually

Lane County average hourly - \$21.56; average annual - \$44,834

Oregon average hourly - \$24.27 average annual - \$50,481

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Instruments/Tools	\$1,500
Resident Tuition and General Student Fees	\$9,006

Total Estimated Cost \$10,506

#### **Course Requirements**

- Foundational Skills and Discipline Studies courses can be taken P/NP or for a letter grade of C- or higher: WR 121, WR 121\_H, MTH 60, CG 203, Science, and Health/PE.
- All major courses must be taken for a letter grade, not P/NP.
- Major courses that serve as a prerequisite in a sequence must be passed with a B- or higher: ART 131, ART 115, ART 115\_H, MUL 105, ART 216, ART 119, ART 225, ART 116, MUL 212, ART 221, ART 222, ART 227, ART 228, & ART 289. All remaining major courses must be passed with a C- or higher.

First Year	Fall
GD 110 Introduction to Graphic Design	1
ART 216 Digital Design Tools	3
ART 115 Basic Design: Fundamentals	3
ART 131 Introduction to Drawing	3
MUL 105 Digital Photography	4

ARH200 Graphic Design History	Winter 3
ART 119Typography 1 Science, Math, Computer Science Requirement MUL 212 Digital Imaging	3 4 4
Choice of: ART 231 Drawing: Intermediate	4
ART 234 Figure Drawing ART 237 Illustration	
ART 245 Drawing for Media	3
	Spring
CG 203 Human Relations at WorkART 116 Basic Design: Color	3
MUL 218 Business Practices for Media Arts	3
WR 121 Academic Composition WR121_H	
Academic CompositionART 225 Digital Illustration	4 3
Second Year	Fall
Any Media Arts or Studio Art Class not required	· un
for the major	3 - 4
MTH 060 Beginning Algebra or higher	4
MUL 220 Intermediate TypographyART 221 Graphic Design 1	3 4
Directed Elective	3
ART 227 Graphic Design Production 1	3
	Winter
Physical Education or Health	3
ART 222 Graphic Design 2	4
ART 228 Graphic Design Production 2ART 280GD Co-op Ed: Graphic Design	4 3
ART 289 Web Production	3
	Spring
MUL 205 Design Studio	3
ART 223 Graphic Design 3	4
ART 229 Graphic Design Production 3ART 280GD Co-op Ed: Graphic Design	4 3
ART 290 Design Concepts for the Web	3
Directed Electives	
	Fall
Any Media Arts or Studio Art Class not required	
for the major	3 - 4

## **Health Information Management**

Offered by the Health Professions Division, 541.463.5617

**Associate of Applied Science Degree** 

One-Year Certificate of Completion - Health Information Management

Career Pathway Certificate - Basic Health Care

Career Pathway Certificate - Medical Coding

Program Coordinator Shelley K. Williams, BA, RN, RHIT

Purpose This degree can be earned completely online. This program prepares individuals to work in the field of health information management (HIM). HIM is a diverse yet evolving field that incorporates medicine, management, finance, information technology and law into one dynamic career path. Graduates will be prepared to manage paper and electronic medical records, collect, aggregate, analyze, summarize and disseminate individual and aggregate clinical data. HIM professionals also protect and control the security and quality of records as well as supervise data entry and technical maintenance personnel. The HIM program includes instruction in: clinical and biomedical science data and information requirements; database management; data coding and validation; information security; quality control; health information content and structure; medical

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

business procedures; legal requirements, as well as HIM professional standards.

Learning Outcomes Upon completion of this degree, the student

- · apply critical and creative thinking, problem solving, and effective inter-professional communication skills related to health information management.
- apply principles of healthcare privacy, confidentiality, legal, ethical issues and data security.
- · apply quantitative and qualitative methodologies to process healthcare information.
- demonstrate knowledge of dynamic healthcare delivery systems and regulatory environments.
- demonstrate knowledge of healthcare billing, coding and reimbursement policies.
- demonstrate knowledge of healthcare terminology and medical conditions.
- evaluate, use, and integrate information technology to support medical decision making and processes.
- demonstrate the application of information technology in the HIM environment.
- demonstrate the principles of leadership and management in the HIM environment.

Licensing & Certification The Associate Degree Health Information Management Program is in Candidacy Status, pending accreditation review by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

Admission Information Students are admitted three times per year (fall, winter, and spring terms). Admission is restricted and is based on a program application. Please consult *classes*. lanecc.edu/course/view.php?id=31269&section=1

Advising and Counseling Advising and counseling is available in Building 1, Room 103. E-mail HIMprogram@lanecc.edu

Cooperative Education (Co-op) Co-op is required for students to earn their AAS HIM Degree. Students must complete a minimum of 3 credit hours of on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make professional contacts for the future. Work schedules and work sites vary. Students are required to be admitted into the HIM Program, complete a minimum of two thirds of their program coursework, have their coop requirements met, and have instructor approval prior to registering. Contact the HIM Cooperative Education Coordinator, Shelley Williams, Room 209, Bldg. 30, 541.463.5182.

#### Job Openings Projected through 2020

Lane County: 12 Statewide: 142

Lane County: hourly average: \$20.28, annual average \$42,197 Statewide: hourly average \$21.69, annual average \$45,115

Costs Estimated based on 2017-18 Oregon resident tuition and fees. Consult Lane's website for updated tuition and fees for prerequisite and program courses. Prerequisite costs will vary for transfer students.

Certification, Licensure, Exams, Physicals	\$450
Computers/Internet Service	\$1,100
Differential Fees*	\$1,005
Resident Tuition and General Student Fees	\$10,792

#### Total Estimated Cost \$13,347

#### **Course Requirements**

- · All BT, CIS, CS, HO, HIM, and HIT courses must be completed no later than five years after HIM program acceptance.
- All BT, CIS, CS, HO, HIM, and HIT courses must be completed no more than five years prior to HIM program acceptance.
- Completion with a grade of 'C' or better of 3-course series HIM 270, HIM 271, and HIM 273 may be substituted for HIM114 Introduction to Coding.
- Prerequisites are required for some courses. See course descriptions.
- Completion of BI 231, 232, and 233 with a "C" or higher is an acceptable equivalent for HO 150 and HO152
- All COOP, BT, CIS, CS, HO, HIM, HIT, MTH, COMM, and WR courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C" or better to satisfy program requirements.

#### **Prerequisites**

HO 100 Medical Terminology 1

HO 110 Health Office Procedures

HO 150 Human Body Systems 1

HO 152 Human Body Systems 2

MTH052 Math for Physical Science, or higher, or - Credit by Exam for MTH060 or higher, or transcripted credits: AP (Calculus), or CLEP (College Algebra, or any Calculus, or Statistics), or IB (Mathematics, or Math Studies, or Further Mathematics, or Statistics) Choice of:

CS 120 Concepts of Computing: Information Processing CIS101 Computer Fundamentals BT120 MS Word for Business

WR115 Introduction to College Writing

vviii introduction to conege vviiting	
First Year	Fall
HIM 101 Introduction to Health Care and Public	
Health in the US	4
HIM 154 Introduction to Disease Processes	3
HIT 105 EHR for the Provider Office	3
HIM 120 Introduction to Health Information	
Management	3
HIM 153 Introduction to Pharmacology	3
	Winter
HIM 220 Legal and Ethical Aspects of Healthcare	3
HIT 107 Integrated Electronic Heatlh Records	4
HIM 114 Introduction to Medical Coding	4
HIM 222 Reimbursement Methodologies	4
C	Spring
Arts & Letters: Students Choice	4
Social Science: Students choice	4
HIT 111 Implement and Customize Electronic	4
Health Records	4
HIM 183 Introduction to Health Information Systems	4
Second Year	Fall
	ган
HIM 241 Health Information Management	4
Applications 1	4
CIS 125D Software Tools 1: Databases	4
HIM 270 ICD-10-Coding 1	4 5
Tilly 270 ICD-10-County 1	•
	Winter
HIM 271 ICD-10-PCS Coding	5
HIM 242 Health Information Management	
Applications 2	4
COOP 206 Co-op Ed: Internship Seminar	2 4
HIM 230 Quality Improvement in Healthcare	
	Spring
HIM 280 Co-op Ed: Health Information Management	3
BA 278 Leadership & Team Dynamics	4
HIM 273 CPT Coding 1	5

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

## **Health Information Management**

Offered by the Health Professions Division, 541.463.5617

**One-Year Certificate of Completion** 

Program Coordinator Shelley K. Williams, BA, RN, RHIT, 541.463.5182, williamSSK@lanecc.edu

Purpose This certificate can be earned completely online. Prepares graduates for entry level careers in medical records, health information management, and medical billing. Health Information Technicians organize and manage demographic, coded, and billing data by ensuring its quality, accuracy, accessibility, and security. They communicate with physicians and other healthcare professionals to clarify diagnoses or to obtain additional information as needed to meet billing, payment, and regulatory requirements. Health Record Technicians may assist with implementing and supporting electronic health records (EHR) software usability

Learning Outcomes Upon completion of this certificate, the student will:

- demonstrate ability to organize, input, process, analyze, secure, and distribute healthcare information.
- demonstrate the organization, analysis, and evaluation of health record content for completeness and accuracy.
- demonstrate knowledge of abstracting health records and assigning standardized codes to diagnoses and procedures to accurately meet reporting needs and processing claims for insurance reimbursement.
- apply principles of healthcare privacy, confidentiality, legal, ethical issues and data security.
- demonstrate knowledge of healthcare terminology and medical conditions.
- demonstrate knowledge of healthcare delivery systems and regulatory environments.
- demonstrate knowledge of utilizing library and valid internet resources for research, projects, and to maintain a level of expertise in his or her field of study.
- apply critical and creative thinking, problem solving, and effective inter-professional communication skills related to health information management.

Admission Information Consult lanecc.edu/hp/him

Advising and Counseling See the Counseling and Advising Center, or e-mail HIMProgram@lanecc.edu

Cooperative Education (Co-op) Co-op is required for students to earn their HIM Certificate(s) and /or AAS HIM degree. Students must complete a minimum of 3 credit hours of on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make professional contacts for the future. Work schedules and work sites vary. Students are required to be admitted into the HIM Program, complete a minimum of two thirds of their program coursework and have their coop requirements met, and instructor approval prior to registering. Contact the HIM Cooperative Education Coordinator, Shelley Williams, Room 209, Bldg. 30, 541.463.5182.

#### Job Openings Projected through 2020

Lane County: 9; Statewide: 130

Lane County hourly average - \$20.28; annual average - \$42,197

Oregon hourly average - \$21.69; annual average - \$45,115

Costs Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees. The total of all the differential fees attached to Health Records Technology courses and other course fees may change during the year ' see the online credit class schedule for fees assigned to courses.

Books	\$1,400
Certification, Licensure, Exams, Physicals	\$250
Differential Fees*	\$549
Resident Tuition and General Student Fees	\$5,496
_	. ,

Total Estimated Cost \$7,695

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

29-2071.00

Standard Occupational Classification: 29-2071.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Medical Records and Health Information Technicians Onetonline.org/link/summary/29-2071.00 Or check on these O\*Net Related Occupations: Insurance Claims Clerks oneton-line.org.link/summary/43-9041.00

In academic year 2014-15, 7 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- All BT, CIS, CS, HO, HIM, and HIT courses must be completed no later than five years after HIM program acceptance.
- All BT, CIS, CS, HO, HIM, and HIT courses must be completed no more than five years prior to HIM program acceptance.
- Prerequisites are required for some courses. See course descriptions.
- Completion of BI 231, 232, and 233 with a 'C' or better is an acceptable equivalent for HO 150 and HO152.
- All BT, CIS, CS, HO, HIM, HIT, MTH, COMM, and WR courses must be completed with a letter grade, not P/NP, and must be passed with a grade of 'C' or better to satisfy program requirements. Other courses may be completed with a 'Pass' or
- Completion with a grade of 'C' or better of 3-course series HIM 270, HIM 273, and HIM 275 may be substituted for HIM114 Introduction to Coding.

#### **Prerequisites**

Choice of:

CS 120 Concepts of Computing: Information Processing

CIS101 Computer Fundamentals

BT120 MS Word for Business

MTH052 Math for Physical Science, or higher, or

Credit by Exam for MTH060 or higher, or transcripted credits: AP (Calculus), or CLEP (College Algebra, or any Calculus, or Statistics), or IB (Mathematics, or Math Studies, or Further Mathematics, or Statistics)

HO 110 Health Office Procedures

HO 150 Human Body Systems 1

HO 152 Human Body Systems 2 HO 100 Medical Terminology 1

WR115 Intro to College Composition

	Fall
HIM 101 Introduction to Health Care and Public	
Health in the US	4
HIM 154 Introduction to Disease Processes	3
HIT 105 EHR for the Provider Office HIM 120 Introduction to Health Information	3
Management	3
HIM 153 Introduction to Pharmacology	3
	Winter
HIT 107 Integrated Electronic Heatlh Records	4
HIM 220 Legal and Ethical Aspects of Healthcare	3
COOP 206 Co-op Ed: Internship Seminar	2
HIM 222 Reimbursement Methodologies	4
HIM 114 Introduction to Medical Coding	4
	Spring
Human Relations (3-4 credits): Students Choice HIM280 Co-op Ed: Health Information Management	3 - 4
12 Credit(s) Max	3
HIT 111 Implement and Customize Electronic Health	
Records	4
HIM 183 Introduction to Health Information Systems	4

#### **Basic Health Care**

Offered by the Health Professions Division, 541,463,5617

#### **Career Pathway Certificate**

Program Coordinator Shelley K. Williams, BA, RN, RHIT, 541.463.5182, williamssk@lanecc.edu

Purpose This certificate can be earned completely online. This career pathway certificate teaches the basic skills needed for employment in an entry level position in a health care setting. The outcomes include practice responsible and confidential communications and apply an understanding of health care laws and ethics are required in health care practice, work in a professional manner in the health care environment, understand and apply medical terminology appropriately, describe the anatomy and physiology of the various systems of the body, demonstrate basic computer skills and, recognize the scope of work the student is legally allowed to perform with their level of training. The certificate is fully embedded in the Health Records Technology certificate and multiple other Lane programs. It is designed for positions in health care such as patient transport, medical receptionist, environmental support, food services, and physical therapy aide. There is no application requirement for this certificate.

#### Learning Outcomes The graduate will:

- understand the requirements to work as a professional in a health care environment.
- demonstrate basic computer skills.
- apply the principles and privacy and security based on laws and professional ethics required in health care practices.
- demonstrate ability to use medical terminology appropriately, including abbreviations, acronyms, spelling, and pronunciation.
- demonstrate knowledge on the basics of human anatomy and physiology.
- demonstrate professional written and verbal communications in a responsible and confidential manner.
- demonstrate intellectually informed, appreciative, and understanding of various cultures, histories, as marked by class, race, gender, ethnicity, religion, nationality, sexual orientation, and other manifestations of difference.

Admission Information There is no application requirement for this certificate.

Advising and Counseling For assistance with requirements, please go to Counseling and Advising in building 1, room 103 or e-mail HIMProgram@lanecc.edu

#### **Course Requirements**

- Prerequisites may be required for some courses. See course descriptions.
- Completion of BI 231, 232, and 233 with a 'C' or better is an acceptable equivalent for HO 150 and HO152.
- All courses must be completed with a letter grade, not P/NP, and must be passed with a grade of 'C' or better to satisfy program requirements.

	Fall
HO 100 Medical Terminology 1	3
HO 110 Health Office Procedures	3
HO 150 Human Body Systems 1	3
HO 152 Human Body Systems 2	3
MTH052 Math for Physical Science, or higher, or - Credit	
by Exam for MTH060 or higher, or transcripted credits:	
AP (Calculus), or CLEP (College Algebra, or any Calculus,	
or Statistics), or IB (Mathematics, or Math Studies, or	
Further Mathematics, or Statistics)	4
Choice of: WR115 or higher	4
Choice of: BT120 - MS WORD for Business CIS101 -	
Computer Fundamentals CS120 - Concepts of	
Computing: Information Processing	4
	Winter
Choice of:	
BT120 - MS WORD for Business	
CIS101 - Computer Fundamentals	
CS120 - Concepts of Computing: Information	
Processing	1
1 1000331119	4

## Medical Coding

Offered by the Health Professions Division, 541.463.5617

#### **Career Pathway Certificate**

Program Coordinator Shelley K. Williams, RN, RHIT, 541.463.5182, williamSSK@lanecc.edu

Purpose This certificate can be earned completely online. A coding specialist is an individual who reviews and analyzes health records to identify relevant diagnoses and procedures for distinct patient encounters. The coding specialist is responsible for translating diagnostic and procedural phrases utilized by health care providers into coded form. The translation process requires interaction with the health care provider to ensure that the terms have been translated accurately. The coded information that is a product of the coding process is then utilized for reimbursement purposes, in the assessment of clinical care, to support medical research activity, and to support the identification of health care concerns critical to the public at large. A coding specialist must have a thorough understanding of the content of the medical record in order to be able to locate information to support or provide specificity for coding. The coding specialist must also be highly trained in anatomy and physiology of the human body and disease processes in order to understand the etiology, pathology, symptoms, signs, diagnostic studies, treatment modalities, and prognosis of diseases and procedures to be coded.

Learning Outcomes The student who successfully completes all Medical Coding requirements will:

- identifies career and lifelong learning opportunities.
- applies principles of healthcare privacy, confidentiality, legal, ethical issues, and data security (HIPAA regulatory standards).
- communicates both verbally and written form with others of the health care team in an effective, appropriate, and capable
- demonstrate understanding of the etiology, pathology, symptoms, signs, diagnostic studies, treatment modalities, and prognosis of diseases and procedures to be coded.
- demonstrate knowledge of abstracting health records and

assigning standardized codes to diagnoses and procedures to accurately meet reporting needs and processing claims for insurance reimbursement.

 demonstrate the organization, analysis, and evaluation of health record content for completeness and accuracy.

**Licensing & Certification** Upon successful completion of this Medical Coding certificate students may choose to sit for AHI-MA's coding exams (CCA or CCA-P) or AAPC's coding exams (CPC, COC, or CIC).

Admission Information Application and admission into the Health Information Management Program is required. Admission and Application information is found on the web at: <code>lanecc.edu/hp/him</code>

Advising and Counseling For assistance in meeting program or application requirements, please go to Counseling and Advising in building 1, room 103 or e-mail HIMProgram@lanecc.edu

Cooperative Education (Co-op) Co-op is required for students to earn their Medical Coding Certificate. Students must complete a minimum of 3 credit hours of on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make professional contacts for the future. Work schedules and work sites vary. Students are required to be admitted into the HIM Program, complete a minimum of two thirds of their program coursework, have their coop requirements met, and have instructor approval prior to registering. Contact the HIM Cooperative Education Coordinator, Shelley Williams, Room 209, Bldg. 30, 541.463.5182.

#### Job Openings Projected through 2020

Lane County: 9

Oregon: 130

Lane County hourly average - \$20.28; annual average - \$42,197

Oregon hourly average - \$21.69; annual average - \$45,115

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees at *lanecc. edu/esfs/credit-fees-and-expenses*)

Books	\$850
Certification, Licensure, Exams, Physicals	\$350
Computers/Internet Service	\$1,500
Resident Tuition and General Student Fees	\$4,495

Total Estimated Cost \$7,195

#### **Course Requirements**

- All BT, CIS, CS, HO, HIM, and HIT courses must be completed no more than five years prior to HIM program acceptance.
- All BT, CIS, CS, HO, HIM, and HIT courses must be completed no later than five years after HIM program acceptance.
- Prerequisites are required for some courses. See course descriptions.
- All COOP, BA, BT, CIS, COMM, CS, HO, HIM, HIT, MTH, and WR courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C" or better to satisfy program requirements.
- Completion of BI 231, 232, and 233 with a 'C' or better is an acceptable equivalent for HO 150 and HO152.

#### **Prerequisites**

Choice of:

CS 120 Concepts of Computing: Information - Processing CIS101 Computer Fundamentals BT120 MS Word for Business HO110 Health Office Procedures HO100 Medical Terminology 1 HO 150 Human Body Systems 1 HO 152 Human Body Systems 2 WR115 Intro to College Writing

MTH052 Math for Physical Science, or higher, or - Credit by Exam for MTH060 or higher, or transcripted credits: AP (Calculus), or CLEP (College Algebra, or any Calculus, or Statistics), or IB (Mathematics, or Math Studies, or Further Mathematics, or Statistics)

	Fall
HIM 120 Introduction to Health Information	
Management	3
HIM 154 Introduction to Disease Processes	3
HIT 105 EHR for the Provider Office	3
HIM 270 ICD-10-Coding 1	5
	Winter
HIM 153 Introduction to Pharmacology	3
COOP 206 Co-op Ed: Internship Seminar	2
HIM 271 ICD-10-PCS Coding	5
HIM 222 Reimbursement Methodologies	4
	Spring
HIM 220 Legal and Ethical Aspects of Healthcare	3
HIM 280 Co-op Ed: Health Information Management	3
HIM 273 CPT Coding 1	5

# Hotel/Restaurant/Tourism Management

Offered by the Culinary Arts & Hotel/Restaurant/Tourism Management, 541.463.3518

**Associate of Applied Science Degree** 

Career Pathway Certificate - Meeting, Convention, and Special Events Manager

**Program Coordinator** Wendy Milbrat, 541.463.3518, *milbratw@lanecc.edu;*or email: *CulinaryHospPrograms@lanecc.edu* 

Purpose Trains graduates for exciting, varied careers in several areas, such as hotel management, meeting and special event management, restaurant management and ownership, and travel and tourism-related businesses. Upon completing this degree program in Hotel/Restaurant/Tourism Management, students will have opportunities for challenging and rewarding careers that can take them around the world.

**Learning Outcomes** The student who successfully completes all Hotel/Restaurant/Tourism Management requirements will:

- · describe types and standards of service.
- describe the function of human resources in the hospitality industry.
- · display an understanding of hospitality terminology.
- define and categorize hotel/restaurant organization and segmentation.
- identify various career paths within the hospitality industry.
- demonstrate effective communication skills.
- demonstrate the ability to handle guest complaints.
- understand how hospitality organizations provide guest information and concierge services.
- · explain fee and pricing categories.
- · describe the functions of the marketing department.
- · describe the hotel and amenities as products.
- describe the elements of a marketing plan.
- · target the market audience.
- describe the concept of supply and demand.
- demonstrate knowledge of safety regulations required in the hospitality industry, including OSHA regulations.
- demonstrate appropriate personal hygiene.
- · maintain guest and employee security procedures.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- · describe and process financial transactions.
- · describe night audit procedures.
- describe and operate POS systems.
- · describe room service procedures.
- · describe the rights of management, staff and guests.
- describe hospitality industry related legal responsibilities and issues, including ADA.
- describe the positions and responsibilities of restaurant employees.
- · plan, prepare, and cost menus.
- understand concepts related to purchasing, receiving, and storing of product.
- select, identify, and describe the correct restaurant equipment for various applications.
- explain procedures for health, safety, and sanitation.
- identify the basic elements of restaurant layout and design.
- calculate payroll and employee schedules.
- provide an overview of the global environmental field as it stands today.
- understand concepts associated with the environmental, social, and cultural impacts of tourism and the hospitality industry.
- have a clear understanding of environmental law, voluntary initiatives and principles, for sustainable development int he tourism and hospitality industry.
- understand the triple bottom-line concept as it relate to the hospitality industry.

Accreditation Hospitality Management, accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA). Students graduating from the program will receive national certification status as a Certified Hospitality Graduate (CHG).

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts & Hotel/Restaurant/Tourism Management office, Building 19, Room 204 or online at lanecc.edu/hospitality. Or email: CulinaryHospPrograms@lanecc.edu

**Advising and Counseling** Program Advisors Claudia Riumallo and Sarah Rick, Building 12

Cooperative Education (Co-op) Students earn credit for on-the-job work experience related to educational and career goals. Through Co-op, students can develop and practice skills, expand career knowledge, and make contacts for future employment. For more information contact Joe McCully, Cooperative Education Coordinator, Bldg.19, Rm. 210, 541.463.3516, mccullyj@lanecc.edu

#### Job Openings Projected through 2020

#### **Hotel Front Desk**

Lane County openings - 17 annually Statewide openings - 191 annually

#### **Hotel Managers**

Lane County openings - 1 annually Statewide openings - 15 annually

#### **Meeting and Convention Planners**

Lane County openings - 3 annually

Statewide openings - 37 annually

#### **Hotel Front Desk**

Lane County average hourly - \$11.67; average annual - \$24,279 Oregon average hourly - \$11.78; average annual - \$24,517

#### **Hotel Managers**

Lane County average hourly - \$NA; average annual - \$NA Oregon average hourly - \$29.04; average annual - \$60,415

#### **Meeting and Convention Planners**

Lane County average hourly - \$17.94; average annual - \$37,319

Oregon average hourly - \$24.01; average annual - \$49,938

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$980
Program Specific Fees	
Resident Tuition and General Student Fees	\$11,221

Total Estimated Cost \$12,937

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Must be a credit-level student.
- Prerequisites are required for some courses. See course descriptions.
- Students are strongly advised to enter fall term. A Winter or Spring term start will have limited class offerings available.
- A Lane County Food Handlers Card is required for entry into the program.
- Students may take any MTH 025 or higher class, but it is strongly recommended to take MTH 025C Basic Mathematics Applications.
- General Education Requirements may be completed prior to program entry or any program term. For complete details refer to the college catalog or meet with your academic advisor.
- MS PowerPoint and Excel are used extensively. If students are not familiar with these software programs, they are encouraged to take these classes prior to or during their first year in the program.
- Students interested in transferring to a four-year institution should: 'Complete WR 122 and WR 123 to fulfill the Arts and Letters requirements for the AAS. 'Add MTH 111 and MTH 112 courses.
- Students may take Cooperative Education in any term approved by the coordinator.
- Hotel/Restaurant/Tourism Management, AAS degree requires 12 credits of Directed Electives.
- Directed electives may be met in any term of the two-year program. Check current class schedule for which Directed Electives are offered in a given term.
- All courses must be completed with a letter grade, not P/NP, and must be passed with a grade of 'C-' or better to satisfy program requirements.
- The Dual Degree Option for Culinary Arts Graduates, seeking the 2yr. AAS in Hotel/Restaurant/Tourism Management, can not be reversed. This option can only be obtained by first completing the 2yr. AAS in Culinary Arts.

First Year	Fall
HRTM 105 Restaurant Operations	3
HRTM 226 Banquet Operations 1	2
General Education Requirement: MTH 025C Basic Mth.	
App. or higher	3
CA 175 Foodservice Sanitation and Safety	2
HRTM 110 Hospitality Sales and Marketing	3
	Winter
General Education Requirement: WR115 Introduction	
to college Writing or higher	4
HRTM 106 Introduction to Hospitality Management	3
HRTM 140 Hospitality Law and Security	3
HRTM 227 Banquet Operations 2	2
HRTM Directed Elective: Choose from list of Directed	
Electives	3
General Education Requirement: Science/Math	
/Computer Science (see college catalog for details)	3
	Spring
HRTM 205 Managing the Restaurant Operation	3
HRTM 228 Banquet Operations 3	2

HRTM Directed Electives: Choose from list of Directed	
Electives	3
General Education Requirement: Physical Education or	
Health (see college catalog for details)	3
CA 200 Menu Management	3
Second Year	Fall
HRTM 260 Hospitality Human Resources and	
Supervision	3
HRTM 230 Hotel Operations 1 HRTM Directed Elective: Choose from the list of	3
Directed Electives	3
General Education Requirement: Human Relations	J
(see college catalog for details)	3
HRTM 265 Hospitality Financials 1	3
	Winter
HRTM 275 Hospitality Financials 2	3
HRTM 290 Hospitality Leadership	3
HRTM 231 Hotel Operations 2	3
CA 159 Kitchen Fundamentals	2
General Education Requirement: Arts and Letters (see college catalog for details)	3
(see college catalog for details)	
UPTIL COOR DI LA DANIEL DE LA LACIA	Spring
HRTM 292 Dining Room and Kitchen Lab	4
HRTM 220 Sustainability in the Hospitality Industry HRTM Directed Elective: Choose from the list of	2
Directed Electives.	3
HRTM 286 Bar and Beverage Management	3
General Education Requirement: Choice of	
Social Science	
Science/Math/Computer Science	
Arts and Letters requirement	2
(see college catalog for details)	3
	Summer
HRTM 280 Co-op Ed: Hospitality Management	7
Directed Electives	
BA 101 Introduction to Business	4
BA 223 Marketing	4
BA 278 Londonhin & Toom Division	4
BA 278 Leadership & Team Dynamics BT 163 QuickBooks	4
BT 123 MS EXCEL for Business	4
BT 122 MS POWERPOINT for Business	3
BT 120 MS WORD for Business	4
BT 165 Introduction to the Accounting Cycle	4
CA 130 Culinary Adventuring: Oregon Wine Country	2
CA 176 Concepts of Taste and Flavor	3 4
FN 105 Nutrition for Foodservice Professionals	3
FN 110 Personal Nutrition	3
HRTM 100 Introduction to Culinary and Hospitality	3
HRTM 104 Introduction to Travel and Tourism	3
HRTM 109 Principles of Meetings and Convention	_
Management	3
HRTM 209 Advanced Principles of Meeting, Convention, and Special Event Management	3
PHL 201 Ethics	4
COMM 115 Introduction to Intercultural	
Communication	4
COMM 130 Business and Professional	
Communication	4
SUST 101 Introduction to Sustainability	3

WR 121 Academic Composition .....

## Meeting, Convention, and Special Events Manager

Offered by the Culinary Arts & Hotel/Restaurant/Tourism Management, 541.463.3518

**Career Pathway Certificate** 

Program Coordinator Wendy Milbrat, 541.463.3518, milbratw@ lanecc.edu;or email: CulinaryHospPrograms@lanecc.edu

Purpose The Career Pathways Certificate program for a Meeting, Convention, and Special Events Manager is for students that want to learn how to manage meetings, conventions, and special events. All of the classes offered in this program apply directly to an Associate of Applied Science degree in Hotel/Restaurant/Tourism Management.

Learning Outcomes The student who successfully completes all Meeting, Convention, and Special Events Manager requirements will:

- describe types and standards of service.
- describe the function of human resources in the hospitality industry.
- · display an understanding of hospitality terminology.
- define and categorize hotel/restaurant organization and segmentation.
- identify various career paths within the hospitality industry.
- · demonstrate effective communication skills.
- · demonstrate the ability to handle guest complaints.
- understand how hospitality organizations provide guest information and concierge services.
- · explain fee and pricing categories.
- · describe the functions of the marketing department.
- · describe the hotel and amenities as products.
- · describe the elements of a marketing plan.
- target the market audience.
- describe the concept of supply and demand.
- demonstrate knowledge of safety regulations required in the hospitality industry, including OSHA regulations.
- demonstrate appropriate personal hygiene.
- · maintain guest and employee security procedures.
- · describe night audit procedures.
- · describe and process financial transactions.
- · describe and operate POS systems.
- · describe room service procedures.
- · describe the rights of management, staff and guests.
- describe hospitality industry related legal responsibilities and issues, including ADA.
- describe the positions and responsibilities of restaurant employees.
- plan, prepare, and cost menus.
- understand concepts related to purchasing, receiving, and storing of product.
- select, identify, and describe the correct restaurant equipment for various applications.
- explain procedures for health, safety, and sanitation.
- identify the basic elements of restaurant layout and design.
- calculate payroll and employee schedules.
- provide an overview of the global environmental field as it stands today.
- understand concepts associated with the environmental, social, and cultural impacts of tourism and the hospitality industry.
- have a clear understanding of environmental law, voluntary initiatives and principles, for sustainable development in the tourism and hospitality industry.
- understand the triple bottom-line concept as it relates to the hospitality industry.

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hotel/Restaurant/Tourism Management office, Building 19, Room 204 or online at lanecc.edu/culinary. Or email: CulinaryHospPrograms@lanecc.edu

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$600
Program Specific Fees	\$195
Resident Tuition and General Student Fees	\$4,267

Total Estimated Cost \$5,062

#### **Course Requirements**

 Students that are completing both the Hotel/Restaurant/Tourism Management AAS degree and the Meeting, Convention, and Special Event Management certificate need to complete a total of 8 co-op credits.

	Fall
HRTM 109 Principles of Meetings and Convention	
Management	3
HRTM 230 Hotel Operations 1	3
HRTM 226 Banquet Operations 1	2
HRTM 110 Hospitality Sales and Marketing	3
HRTM 260 Hospitality Human Resources and	
Supervision	3
	Winter
HRTM 231 Hotel Operations 2	3
HRTM 280 Co-op Ed: Hospitality Management	4
HRTM 227 Banquet Operations 2	2
	Spring
HRTM 209 Advanced Principles of Meeting, Convention,	
and Special Event Management	3
HRTM 280 Co-op Ed: Hospitality Management	4
HRTM 228 Banquet Operations 3	2
HRTM 106 Introduction to Hospitality Management	3

## **Human Services**

Offered by the Social Science Department, 541.463.5427

**Associate of Applied Science Degree** 

Program Coordinator Susan Shipp, shipps@lanecc.edu

Purpose Human service workers provide a wide range of emotional and practical support services aimed at addressing the needs of people facing a variety of challenges in their lives. The Human Services program prepares students for entry level employment in diverse, public, private, and non-profit settings, serving children, adolescents, families, and adults. For example, human service workers can be found staffing crisis lines; assisting individuals in meeting their health related needs; supervising young juvenile offenders; working with the elderly to help them maintain their independence; arranging for services for homeless families; coordinating recreational services for people with disabilities; providing parent education; advocating for victims of domestic or sexual violence; counseling and case managing individuals experiencing addiction. Students seeking employment in addictions counseling field can complete coursework toward becoming a Certified Alcohol and Drug Counselor (CADC) in the state of Oregon. Completion of HS 102 Psychopharmacology, HS 155 Interviewing Theory and Techniques, HS 224 Group Counseling, HS 226 Ethics and Law, HS 228 HIV and Other Infectious Diseases, and HS 266 Case Management fulfill the 150 hours of drug and alcohol education required by the Addictions Counselor Certification Board of Oregon (ACCBO) for a CADC I. Certification also requires successfully completing a written exam, two years of sobriety prior to internship placement or employment in an addictions field, as well as 1000 hours of supervised client contact in an addictions setting. Students can earn over half of these hours through HS 280 Cooperative Education coursework. Individuals who currently hold a CADC I in the state of Oregon can receive up to 15 credits toward the Associate of Applied Science (AAS) degree in Human Services through Laneâ€s credit by assessment program. Completion of the AAS degree in Human Services can fulfill the 300 hours of drug and alcohol education and the 90 college credits required by the ACCBO for a CADC II. Additional supervised experience hours are required for the CADCII. Students interested in CADC options should work closely with program advising staff to select appropriate directed electives and cooperative education placements to reach their goals. For information on the certification process visit the ACCBOâ€<sup>M</sup> s website at www.accbo.com. Working in the human services profession in the stat of Oregon, including an internship, often requires a background check, including criminal history. A conviction does not automatically disqualify a person from obtaining placement or employment. Situations are evaluated on an individual basis and therefore program advisors cannot determine in advance who is employable.

**Learning Outcomes** Upon completion of all Human Services requirements, students will be able to:

- · conduct an assessment.
- · communicate effectively with others.
- develop a plan of action using client's strengths, and link people with community resources.
- develop the competency required to work with people from diverse backgrounds.
- formulate questions that can be addressed with data and collect, organize and display relevant data to answer them.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- apply evidence-based practices.

Advising and Counseling Advisement is strongly recommended for academic planning each term. If you intend to transfer to a four year college and earn a bachelor's degree in a Human Services (or related) program, notify the advising team within the first or second term. Contact the advising team: Andi Graham and Ben Fisher at socsci-*llcprograms@lanecc.edu* or 541.463.3800.

Cooperative Education (Co-op) Co-op is a significant field placement component that provides opportunities for students to explore their career options while gaining practical experience in the field. \* Students are required to attend a co-op orientation prior to beginning their field placement. Contact Christina Salter at 541.463.5813 or salterc@lanecc.edu

## Job Openings Projected through 2020

#### Social and Human Service Assistants

Lane County openings - 17 annually

Statewide openings - 256

#### **Substance Abuse and Behavioral Disorder Counselors**

Lane County openings - 13

Statewide openings - 91

#### Social and Human Service Assistants

Lane County average hourly - \$15.94; average annual - \$33,145 Oregon average hourly - \$17.37; average annual - \$36,129

#### **Substance Abuse and Behavioral Disorder Counselors**

Lane County average hourly - \$18.01; average annual \$37,480

Oregon average hourly - \$22.57; average annual - \$46,956

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Total Estimated Cost \$14,550

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$2,500
Program Specific Fees	\$200
Resident Tuition and General Student Fees	\$11,850

#### **Course Requirements**

- All required HS courses including Directed Electives must be taken for a letter grade, not P/NP, and must be passed with a 'C-' or better to fulfill program requirements.
- 18 credits of HS 280 Cooperative Education which must be taken for a letter grade, not P/NP, and must be passed with a 'C-' or better to fulfill program requirements.
- · A total of 9 credits of directed electives must be taken for a letter grade, not P/NP, and must be passed with a 'C-' or better to fulfill program requirements.
- HS 155 Interviewing Theory and Techniques must be completed prior to enrollment in HS 231, 232, 265, and 266.
- HS 150 & HS 226 are recommended prior to beginning Co-op.
- See AAOT degree description for Science, Math, and Computer Science courses.
- Courses with WR, COMM, ANTH, PSY prefixes and all Science/ Math, Computer Science courses may be transferable and applicable to an AAOT degree. Up to 12 credits of HS prefix courses and 18 credits of HS 280 can be applied toward AAOT electives.
- Course offerings may change as classes are added or canceled.

First Year	Fall
HS 150 Personal Effectiveness for Human Service	
Workers	3
HS 201 Introduction to Human Services	3
HS 226 Ethics and Law	3
MTH 025 Basic Mathematics Applications or higher WR121 Academic Composition WR 121_H Academic	3 - 5
Composition	4
	Winter
HS 155 Interviewing Theory and Techniques	3
HS 280 Cooperative Education: Human Services	3
HS 102 Psychopharmacology	4
Directed Elective	3
WR122 Argument Research and Multimodal Composition	
WR122_H Argument Research and	4
Multimodal Composition	4
	Spring
HS 231 Advanced Interviewing and Counseling	3
HS 280 Cooperative Education: Human Services	4
Human Relations course *see catalog for options	3 - 4
HS 266 Case Management	3
COMM 100 Basic Communication	
COMM 111 Fundamentals of Public Speaking	
COMM 112 Persuasive Speech	
COMM 130 Business and Professional Speech	
COMM 218 Interpersonal Communication	
COMM 219 Small Group Communication	4
Second Year	Fall
Directed Elective	3 - 4
HS 280 Cooperative Education: Human Services	3
HS 232 Cognitive-Behavioral Strategies	3
Choice of:	
HE 152 Drugs, Society, and Behavior	
HE 209 Human Sexuality	
HE 250 Personal Health	
HE 252 First Aid	
HE 255 Global Health and Sustainability HE 275 Lifetime Health and Fitness	3 - 4
PSY or SOC (Advisors will recommend appropriate	3 - 4
options)	3 - 4
ομιοπο,	3 - 4

	Winter
HS 267 Cultural Competence in Human Services	3
HS 280 Cooperative Education: Human Services	3 - 4
Science/Math/Computer Science requirement PSY or SOC (Advisors will recommend appropriate	3 - 4
options)	3 - 4
HS 265 Casework Interviewing	3
	Spring
HS 224 Group Counseling Skills	3
HS 280 Cooperative Education: Human Services	4
options)	3 - 4
Directed Elective	3
Directed Electives	
HS 221 Co-occurring Disorders	3
HS 206The Criminal Addict: Issues & Interventions	3
HS 228 HIV/AIDS and other Infectious Diseases:	
Risk Assessment and Intervention	2
HS 151 Issues in Assessing and Treating the	
Problem Gambler	1
HS 205 Youth Substance Abuse	3
CJA 201 Juvenile Delinquency	3
CJA 232 Correctional Casework	3
HS 158Trauma: Theory to Practice	2
HS 222 Best Practices in Human Services:	3
Interventions	4
HS 229 Grief and Loss Across Life Span	3
HS 280 Cooperative Education: Human Services	3 - 4
CJA 243 Narcotics and Dangerous Drugs	3
CJA 101 Introduction to Criminology	3
HS 220 Prevention 1: Preventing Substance Abuse &	
Other Social Problems	3

## **Community Health Worker**

The Community Health Worker Career Pathway Certificate has been discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses. Non-credit classes may be offered through Continuing Education.

## **Industrial Mechanics and Maintenance Technology** Apprenticeship

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree

One-Year Certificate of Completion - Industrial Mechanics and Maintenance Technology Apprenticeship

Career Pathway Certificate - Trade Worker Apprenticeship **Technologies** 

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu.

Purpose To provide a structured system of training in millwright trades or occupations, leading to certification and journey-level status, only for apprentices who are sponsored by individual employers, accepted by a Joint Apprenticeship Training Committee, and registered with the State of Oregon Bureau of Labor and Industries.

#### Learning Outcomes The graduate will:

- perform the duties and responsibilities of the millwright trade.
- · develop machine shop skills in troubleshooting.
- · demonstrate and use industry safety standards.
- · identify mechanical and/or electrical industrial systems.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

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- develop attitudes conducive to improved customer relations skills in the millwright trade.
- develop communication and critical thinking skills necessary for job advancement.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- access library, computing, and communications services, and appropriately select information and data from regional, national, and international networks.
- apply appropriate formulas to mathematical situations.
- adapt to new job requirements to qualify for advancement in becoming lead supervisors.
- complete 8000 hours State of Oregon-approved on-the-job -training.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. In addition, the Oregon community college Industrial Mechanics and Maintenance Technology Apprenticeship pathway provides statewide transfer opportunities, laddered certificates of completion, and an optional transfer path into Oregon Institute of Technology Bachelor of Science degree in Operations Management or Bachelor of Applied Science degree in Technology and Management. The Industrial Mechanics and Maintenance Technology Apprenticeship pathway includes an advising guide with a set of recommended courses that satisfy both the AAS and the Oregon Transfer Module (OTM). Students who complete the recommended set of OTM courses may apply for 45 credits of guaranteed block transfer to any other community college.

Admission Information Admission to the millwright trade is usually conducted as an internal process with the employer. Information is available at the Oregon Bureau of Labor and Industries website: *boli.state.or.us*.

Advising and Counseling lanecc.edu/advising/advisors

#### Job Openings Projected through 2020

Lane County openings - 4 annually

Statewide openings - 39 annually

Lane County average hourly - \$23.21; average annual - \$48,271

Oregon average hourly - \$25.51; average annual - \$53,065

Although wages vary, the average starting wage of an apprentice is about 50 percent of a journey worker's rate of pay. Apprentices usually earn a five-percent raise every six months if training and school performance is satisfactory. Check the Bureau of Labor and Industries website: *boli.state.or.us*.

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,500
Resident Tuition and General Student Fees	\$10,000

Total Estimated Cost \$11,500

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- WR 115W and MTH 060 must be must be passed with a grade of Pass or 'C-' or better to satisfy program requirements.
- complete 8000 hours State of Oregon-approved on-the-job

- training and provide a State of Oregon Apprenticeship Training Journey-man card or BOLI-ATD Certificate of Completion.
- demonstrate an equivalency of 90 credit hours, with a minimum of 24 credits at Lane, including the last term at Lane.
- complete all requirements for an AAS degree as listed below.
- earn a cumulative grade point average above 2.0 at Lane or transfer credits earned at other regionally accredited colleges or universities.

#### **General Education**

WR 115W Introduction to College Writing: Workplace Emphasis or higher	3 3 3 3
Arts and Letters requirement Human Relations or Social Science requirement	
Science/Math/Computer Science requirement	3
MTH 060 Beginning Algebra or higher	4
Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division (22 credits)	
State of Oregon Apprenticeship Training Journey-man card or BOLI-ATD Certificate of Completion	22
Millwright Core Related Training (43 credits)	
APR 150The Millwright and Shop SafetyAPR 151 Millwright Machine Theory and Trade	5
CalculationsAPR 152 Millwright: PowerTransmissions and	5
Boilers-SteamAPR 250 Millwright: Industrial Print Reading, Schematics,	5
and Estimating	5
APR 251 Millwright: Pneumatics and Lubrications	5

Program Electives to complete 90 credits for degree:

APR 252 Hydraulics for Millwrights .....

APR 253 Millwright Piping Systems.....

MTH 085 Applied Geometry for Technicians.....

APR 185 Shielded Metal Arc Welding 1.....

APR 186 Wire Drive Welding 1.....

# Industrial Mechanics and Maintenance Technology Apprenticeship

Offered by the Advanced Technology Division, 541.463.5380

**One-Year Certificate of Completion** 

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu.

Purpose Students may earn a Certificate of Completion in Industrial Mechanics and Maintenance Technology Apprenticeship by successfully completing 43 core related training credits with a 'C' grade or better in all courses, and completing related instruction in communications, computation, and human relations.

#### Learning Outcomes Graduates will:

- perform the duties and responsibilities of the millwright trade.
- identify mechanical and/or electrical industrial systems.

Licensing & Certification An apprenticeship "Award of Completion" issued by the Oregon Bureau of Labor and Industries Apprenticeship and Training Division certifies that an individual has been trained in all aspects of an occupation and has met the requirements for program completion. This certificate is recognized throughout Oregon and industry-wide as a valid indicator of high quality, standardized training, and it provides on-the-job training documentation for community college credit. In addition, the Oregon community college Industrial Mechanics and Maintenance Technology Apprenticeship

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

pathway provides statewide transfer opportunities, laddered certificates of completion, and an optional transfer path into Oregon Institute of Technology Bachelor of Science degree in Operations Management or Bachelor of Applied Science degree in Technology and Management. The Industrial Mechanics and Maintenance Technology Apprenticeship pathway includes an advising guide with a set of recommended courses that satisfy both the AAS and the Oregon Transfer Module (OTM). Students who complete the recommended set of OTM courses may apply for 45 credits of guaranteed block transfer to any other community college.

Admission Information Admission to the millwright trade is usually conducted as an internal process with the employer. Information is available at the Oregon Bureau of Labor and Industries website: boli.state.or.us.

Advising and Counseling lanecc.edu/advising/advisors

#### Job Openings Projected through 2020

Lane County openings - 4 annually

Statewide openings - 39 annually

Lane County average hourly - \$23.21; average annual - \$48,271 Oregon average hourly - \$25.51; average annual - \$53,065

Although wages vary, the average starting wage of an apprentice is about 50 percent of a journey worker's rate of pay. Apprentices usually earn a five-percent raise every six months if training and school performance is satisfactory. Check the Bureau of Labor and Industries website: boli.state.or.us.

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$1,075
Resident Tuition and General Student Fees	

Total Estimated Cost \$8,675

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- · Human Relations course choices are listed on the Associate of Applied Science degree page.
- To earn the certificate, student must:
- complete State of Oregon-approved on-the-job training and provide a State of Oregon Apprenticeship Training Journeylevel card or BOLI-ATD Certificate of Completion, 8000-Hour BOLI-ATD Trade: Industrial Millwright.
- complete related instruction credits (communication, computation, human relations). 10 credits complete core-related training credits. 43 credits Total Credits 53

#### Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division, prior certification

State of Oregon Apprenticeship Training Journey-level card or BOLI-ATD Certificate of Completion, 8000-hour BOLIT-ATD Trade: Industrial Millwright ..... 22

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Related Instruction	
WR 115W Introduction to College Writing: Workplace Emphasi	is or
higher	3
Human Relations	3
MTH 060 Beginning Algebra or higher	4
Core-Related Training	
APR 150 The Millwright and Shop Safety	5
APR 151 Millwright MachineTheory andTrade	
Calculations	5
APR 152 Millwright: PowerTransmissions and	
Boilers-Steam	5

APR 250 Millwright: Industrial Print Reading,

Schematics, and Estimating.....

APR 251 Millwright: Pneumatics and Lubrications	5
APR 252 Hydraulics for Millwrights	5
APR 253 Millwright Piping Systems	5
MTH 085 Applied Geometry for Technicians	4
APR 185 Shielded Metal Arc Welding 1	2
APR 186 Wire Drive Welding 1	2

## **Trade Worker Apprenticeship Technologies**

Offered by the Advanced Technology

**Career Pathway Certificate** 

Program Coordinator Joy Crump, Bldg. 15 Rm. 201, 541.463.5496, crumpj@lanecc.edu

Purpose To provide a structured system of training to prepare students with the foundational skills and knowledge required to enter the maintenance millwright trade.

#### Learning Outcomes The graduate will:

- complete 4,000 hours State of Oregon-approved on-the-job training.
- successfully complete all required core related-training courses with a grade of â€eC†or better.
- repair, install, and maintain a variety of building construction projects using trade specific tools and techniques in compliance with building codes and OSHA regulations.

Admission Information Students must be registered apprentices with the State of Oregon Bureau of Labor and Industries and accepted by a Joint Apprenticeship Training Committee. Information is available at boli.state.or.us.

Advising and Counseling lanecc.edu/advising/advisors

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### Maintenance Millwright (15 credits)

APR 150The Millwright and Shop Safety	5
APR 151 Millwright Machine Theory and Trade	
Calculations	5
APR 152 Millwright: PowerTransmissions and	
Boilers-Steam	5

# **Manufacturing Technology**

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree** 

Associate of Applied Science Degree Option - Manufacturing **Technology Computer Numerical Control Technician Option** 

Career Pathway Certificate - Manufacturing Technician 1

Career Pathway Certificate - Manufacturing Technician 2

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose The Two Year Associate of Applied Science Degree in Manufacturing Technology provides fundamental training in Manufacturing (machine shop) and related work. A graduate qualifies for entry level positions as a Machinist or CNC Operator in manufacturing shops and related machine tool industries. Machining and CNC manufacturing jobs are some of the fastest growing career options in Oregon and Lane County. Employment opportunities include high tech machine shops, job shops, production machine shops, tool and die shops, machine repair and maintenance shops and other manufacturing industries.

Learning Outcomes Upon completing the training for this degree, the student will know how to operate safely in a manufacturing environment. They will be able to effectively use precision measuring tools, read prints and have mathematical skills to

accomplish shop tasks. They will have experience using most shop machinery and basic knowledge in CNC including programming, setup and operation of CNC lathes and mills as well as basic knowledge in CAD, CAM and verification software used in CNC manufacturing environments.

- have proficiency in the setup and operation of all standard machine tools employed by the modern machine shop.
- demonstrate and use industrial safety standards for safe operation of all machine tools.
- use basic math skills, formulas and right angle trigonometry to accomplish shop tasks.
- use the internet to access information pertaining to shop techniques and tool use.

**Admission Information** See *lanecc.edu/advtech/mfg* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

**Advising and Counseling** *classes.lanecc.edu/course/view. php?id=31255* 

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Manufacturing Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits may be earned in lieu of required Manufacturing Technology course credits. Contact Chuck Fike, Manufacturing Technology Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 13 annually

Statewide openings - 161 annually

Lane County average hourly - \$21.41; average annual - \$44,524

Oregon average hourly - \$23.68; average annual - \$49,246

**Costs** Estimates based on 2017-18 data. Program is going through restructure. Consult Lane's website for updated tuition and fees.

Books	\$1,127
Differential Fees*	\$2,760
Instruments/Tools	\$1,425
Program Specific Fees	\$1,040
Resident Tuition and General Student Fees	\$12,174

Total Estimated Cost \$18,526

#### Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- PE/Health courses must be completed with a Pass or "C-" or better to meet program requirements.
- Arts and Letters, Human Relations, and Social Science course choices are listed on the Associate of Applied Science degree nage
- All CNC, MFG and MTH courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- Minimum placement score of 68 in Reading, or completion of RD080 or RD087 AND EL115 or prior college. MTH020 proficiency or concurrently enrolled in MTH020 with program admittance or Minimum placement score of 75 in Arithmetic. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
MTH 060 Beginning Algebra	4
MFG 102 Shop Measurement and Coordinate System	3

	MFG 101 Safety and Basic Shop Practice	3
l	CNC 101 CNC Concepts	3
l	MFG 103 Metal Cutting Basics	3
l		Winter
l	WR 115W Introduction to College Writing: Workplace	
l	Emphasis	3
l	MFG 151 Manufacturing 1	6
l	MFG 152 Manufacturing 2	4
l	CNC 102 CNC Setup and Operation	3
		Spring
l	PE/Health Requirement	3
l	CNC 103 CNC Programming	3
l	MFG 153 Manufacturing 3	5
l	MFG 241 Solid Modeling 1	3
l	CNC 108 CNC Projects	3
l	Second Year	Fall
l	MFG 254 Manufacturing 4	6
l	MFG 242 Solid Modeling 2	3
l	Human Relations Requirement	4
l	MTH 085 Applied Geometry for Technicians	4
		Winter
l	MFG 254 Manufacturing 4	6
l	MFG 255 Manufacturing 5	6
l	Arts/Letters Requirement	4
		Spring
l	Choice of:	
l	DRF160 Computer-Aided Drafting	
l	Design WLD151 Metallurgy: Fundamentals	
ĺ	Welding WLD121 Shielded Metal Arc Welding 1	3 - 4
	MFG 209 Advanced Manufacturing Processes	6
ĺ	MFG 255 Manufacturing 5	6
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## Manufacturing Technology Computer Numerical Control Technician Option

Offered by the Advanced Technology Division, 541.463.5380

**Associate of Applied Science Degree Option** 

**Program Coordinator** Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** This degree prepares the student for an entry level skilled CNC manufacturing position. The skills provided will prepare the student for successful advancement through on the job training.

Learning Outcomes Upon completing the training for this degree, the student will know how to operate safely in a manufacturing environment. They will be able to effectively use precision measuring tools, read prints and have the mathematical skills to accomplish shop tasks. They will have experience using most shop machinery including programming, setup and operation of CNC lathes and mills as well as CAD, CAM and verification software used in CNC manufacturing environments.

- have proficiency in the setup and operation of all standard machine tools employed by the modern machine shop.
- demonstrate and use industrial safety standards for safe operation of all machine tools.
- use basic math skills, formulas and right angle trigonometry to accomplish tasks.
- use the internet to access information pertaining to shop techniques and tool use.
- create and edit g-code programs both manually and with CAM software.
- setup, program and machine parts on 3-axis CNC milling machines and 2 axis CNC lathes.

**Admission Information** See *lanecc.edu/advtech/mfg* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

**Advising and Counseling** *classes.lanecc.edu/course/view.* php?id=31255

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Manufacturing Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits may be earned in lieu of required Manufacturing Technology course credits. Contact Chuck Fike, Manufacturing Technology Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County openings - 14 annually

Statewide openings - 135 annually

Lane County average hourly - \$19.35; average annual - \$40,238

Oregon average hourly - \$19.65; average annual - \$40,873

**Costs** Estimates based on 2017-18 data. Program is going through restructure. Consult Lane's website for updated tuition and fees.

Books	\$1,042
Differential Fees*	\$2,990
Instruments/Tools	\$1,425
Program Specific Fees	\$1,326
Resident Tuition and General Student Fees	\$12,411

Total Estimated Cost \$19,194

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- PE/Health courses must be completed with a Pass or "C-" or better to meet program requirements.
- Arts and Letters, Human Relations, and Social Science course choices are listed on the Associate of Applied Science degree page.
- All CNC, MFG and MTH courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- Prerequistes: Minimum placement score of 68 in Reading, or completion of RD080 or RD087 AND EL115 or prior college. MTH020 proficiency or concurrently enrolled in MTH020 with program admittance or Minimum placement score of 75 in Arithmetic. A high school diploma or equivalent is recommended for all applicants to this program.

First Year	Fall
MTH 060 Beginning Algebra	4
MFG 102 Shop Measurement and Coordinate System	3
MFG 101 Safety and Basic Shop Practice	3
MFG 103 Metal Cutting Basics	3
CNC 101 CNC Concepts	3
	Winter
WR 115W Introduction to College Writing: Workplace	
Emphasis	3
MFG 151 Manufacturing 1	6
MFG 152 Manufacturing 2	4
CNC 102 CNC Setup and Operation	3
	Spring
PE/Health Requirement	3
CNC 103 CNC Programming	3
MFG 153 Manufacturing 3	5
MFG 241 Solid Modeling 1	3
CNC 108 CNC Projects	3

Second Year	Fall
MTH 085 Applied Geometry for Technicians	4
CNC 201 CNC Mill	3
MFG 242 Solid Modeling 2	3
MFG 243 CAM 1	6
	Winter
Arts and Letters Requirement	4
Human Relations Requirement	4
CNC 202 CNC Lathe	3
MFG 254 Manufacturing 4	6
	Spring
CNC 208 CNC Advanced Projects	6
MFG 244 CAM 2	6
CNC 209 Advanced CNC Concepts	6

## **Manufacturing Technician 1**

Offered by the Advanced Technology Division, 541.463.5380 Career Pathway Certificate

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

Purpose This certificate prepares the student for an entry level manufacturing position. The skills provided will prepare the student for successful advancement through on the job training.

Learning Outcomes Upon completing the training for this certificate, the student will know how to:

- operate safely in a manufacturing environment.
- · use precision measuring tools effectively.
- read prints and have mathematical skills to accomplish shop tasks.
- use the bandsaw, mill and lathe, both manual and CNC with entry-level experience.

Admission Information See *lanecc.edu/advtech/mfg* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

Advising and Counseling classes.lanecc.edu/course/view. php?id=31255 See a Counselor or Advisor to learn what entry-level skills are suggested for successful completion of this program.

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Manufacturing Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits may be earned in lieu of required Manufacturing Technology course credits. Contact Chuck Fike, Manufacturing Technology Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

## Job Openings Projected through 2020

Lane County: 9 positions Statewide: 130 positions

Lane County average hourly - \$15.31; average annual - \$31,860 Oregon average hourly - \$15.88; average annual - \$33,024

Costs Estimates based on 2017-18 data. Program is going through restructure. Consult Lane's website for updated tuition and fees.

Books	\$150
Differential Fees*	\$690
Instruments/Tools	\$25
Program Specific Fees	\$306
Resident Tuition and General Student Fees	
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Total Estimated Cost \$3,462

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- MFG/CNC courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- Prerequistes: Minimum placement score of 68 in Reading, or completion of RD080 or RD087 AND EL115 or prior college. MTH020 proficiency or concurrently enrolled in MTH020 with program admittance or Minimum placement score of 75 in Arithmetic. A high school diploma or equivalent is recommended for all applicants to this program.

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MFG 101 Safety and Basic Shop Practice	3
MFG 103 Metal Cutting Basics	3
MFG 151 Manufacturing 1	6
CNC 101 CNC Concepts	3
MFG 102 Shop Measurement and Coordinate System	3

## **Manufacturing Technician 2**

Offered by the Advanced Technology Division, 541.463.5380

#### **Career Pathway Certificate**

Program Coordinator Tracy Rea, Bldg 15, Rm. 201, 541.463.5151, reat@lanecc.edu

**Purpose** This certificate prepares the student for a semi-skilled manual or CNC manufacturing position. The skills provided will prepare the student for successful advancement through on the job training.

Learning Outcomes Upon completing the training for this certificate, the student will know how to:

- operate safely in a manufacturing environment.
- use precision measuring tools effectively.
- read prints and have the mathematical skills to accomplish tasks.
- use most manual shop machinery and have been introduced to programming, setup and operation of CNC lathes and mills.

Admission Information See *lanecc.edu/advtech/mfg* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu* 

Advising and Counseling classes.lanecc.edu/course/view/php?id=31255 Seea Counselor or Advisor to learn what entry-level skills are suggested for successful completion of this program.

Cooperative Education (Co-op) Co-op offers students college credit and a grade for on-the-job work experience related to their educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Under the supervision of the Manufacturing Technology Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits may be earned in lieu of required Manufacturing Technology course credits. Contact Chuck Fike, Manufacturing Technology Co-op Coordinator, Bldg 19, Rm. 231D or Bldg 12, Rm. 119B. 541.463.5078, fikec@lanecc.edu

#### Job Openings Projected through 2020

Lane County: 23 positions Statewide: 385 positions

Lane County average hourly - \$14.96; average annual - \$31,112

Oregon average hourly - \$16.32; average annual - \$33,926

**Costs** Estimates based on 2017-18 data. Program is going through restructure. Consult Lane's website for updated tuition and fees.

Books	\$225
Differential Fees*	\$1,380
Instruments/Tools	\$50
Program Specific Fees	\$612
Resident Tuition and General Student Fees	\$4,680
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Total Estimated Cost \$6,947

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- MFG/CNC courses must be completed with a letter grade, not P/NP, and must be passes with a grade of "C-" or better to satisfy program requirements.
- Prerequistes: Minimum placement score of 68 in Reading, or completion of RD080 or RD087 AND EL115 or prior college. MTH020 proficiency or concurrently enrolled in MTH020 with program admittance or Minimum placement score of 75 in Arithmetic. A high school diploma or equivalent is recommended for all applicants to this program.

	Fall
MFG 101 Safety and Basic Shop Practice	3
MFG 103 Metal Cutting Basics	3
CNC 101 CNC Concepts	3
MFG 102 Shop Measurement and Coordinate System	3
	Winter
MFG 151 Manufacturing 1	6
MFG 152 Manufacturing 2	4
CNC 102 CNC Setup and Operation	3
	Spring
CNC 103 CNC Programming	3
CNC 108 CNC Projects	3
MFG 153 Manufacturing 3	5

## **Medical Assistant**

Offered by the Health Professions Division, 541.463.5617

**One-Year Certificate of Completion** 

Program Coordinator Marty Pittman RN, CMA

(AAMA) 541.463.3177 pittmanm@lanecc.edu HealthProfessions Division, 541.463.5617

**Purpose** To train the graduate for a successful career in the profession of medical assisting, and qualified to become a Certified Medical Assistant. The Certified Medical Assistant is a vital member of the ambulatory health care team.

**Learning Outcomes** The student who successfully completes all Medical Assistant requirements will:

- prepare patients for examination or treatment; take temperatures, measure height and weight, and accurately record information in the patient chart.
- physically assist patients onto and off exam table.
- sterilize instruments and stand by to assist as the physician examines or treats patients, or performs in-office surgeries.
- give medical care to patients, under the physician's supervision, such as giving injections and drawing blood.
- perform certain diagnostic testing in the laboratory.
- perform administrative duties, which include managing an appointment schedule, organizing patients' medical records, bookkeeping procedures, and processing insurance claims.
- use library resources for research and written assignments for a variety of purposes.

 perform mathematic equations associated with medication dosages as well as basic mathematics to process medical insurance claims.

Accreditation Medical Assistant, accredited by the Commission on Accreditation of Allied Health Education Programs, a specialized accrediting board recognized by the Council for Higher Education Accreditation, on recommendation of the Medical Assisting Education Review Board of the American Association of Medical Assistants Endowment. Commission on Accreditation of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL 33753; www.caahep.org; 727.210.2350

Licensing & Certification Certified Medical Assistant: CMA (AAMA) This is a National Certification

Admission Information Students are encouraged to consult a program advisor or counselor before applying for admission. The application and information on the point allocation system and transfer students is available in the Counseling and Advising Center and on the Medical Office Assistant website, <code>lanecc.edu/hp/moa</code>

**Advising and Counseling** Contact Counseling and Advising, Student Services Building, or e-mail *MAProgram@lanecc.edu* 

Cooperative Education (Co-op) During the required unpaid Co-op work experience in spring term, students rotate through local medical offices and clinics in both clinical and administrative settings. Students earn college credit and gain actual work experience. Students also receive instruction in the identification and proper use of other medical equipment and valuable on-the-job training. A required weekly seminar during WINTER term includes resume writing instruction, interviewing techniques, and other job-search skills. Contact Marty Pittman, Medical Assistant Cooperative Education Coordinator, Bldg. 30, Rm. 210: pittmanm@lanecc.edu541.463.3177.

#### Job Openings Projected through 2020

Lane County openings - 30 annually

Statewide openings - 375 annually

Lane County average hourly - \$15.77; average annual - \$32,791

Oregon average hourly - \$16.42; average annual - \$34,162

**Costs** Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.

Books	\$3,858
Certification, Licensure, Exams, Physicals	\$125
Differential Fees*	\$570
Resident Tuition and General Student Fees	\$6,072

Total Estimated Cost \$10,625

#### **Gainful Employment Disclosure**

31-9092.00

Standard Occupational Classification: 31-9092.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Medical Assistants onetonline.org/link/summary/31-9092.00 Or check on these O\*Net Related Occupations: Nursing Assistants onetonline.org.link/summary/31-1014.00

In academic year 2014-15, 21 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time

program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- The following requirements must meet universal standards order for internships Physical examination Proof of required immunizations Tuberculosis (TB) screen Substance abuse screening (10-panel drug and alcohol screen), and Criminal background check
- These courses may be taken before accepted into the MA program: BT 120, BT 165, HO 110, HIM 220, HO 150, HO 152, HIM 153, PSY 201, HIM 112, HIM 153
- Prerequisites are required for some courses. See course descriptions.
- HO 100, MTH 052 and all courses with BT, HIT, HO, or MA prefixes must be completed with a letter grade of 'C-' or better to satisfy program requirements.
- WR 115W or higher must be completed with a Pass or 'C-' or better to satisfy program requirements.
- To meet AGS degree requirements, take Arts and Letters for 4 credits if CG 103 was completed as prerequisite for MA program admission; take Human Relations for 4 credits if COMM 218 was completed as prerequisite.
- To register for any MA course, a student must be accepted into the program. Other courses may be taken prior to program entry.

#### **Prerequisites**

Choice of:

CG 203 Human Relations at Work

**COMM 218 Interpersonal Communication** 

HO 100 Medical Terminology 1

WR115W Intro to College Writing:Workplace Emphasis or higher-level writing

MTH 052 Math for Health and Physical Sciences

	Fall
HO 110 Health Office Procedures	3
MA 110 Clinical Assistant 1	3
PSY 201 General Psychology	4
HIT 105 EHR for the Provider Office	3
HO 150 Human Body Systems 1	3
Choice of:	
BT120 MS Word for Business	
CS120 Concepts of Computing Information	
Processing	4
	Winter
BT 165 Introduction to the Accounting Cycle	4
MA 120 Clinical Assistant 2	3
MA 150 Laboratory Orientation	3
HO 152 Human Body Systems 2	3
MA 119 Introduction to Medical Coding and Scribing	3
MA 206 Co-op Ed: Medical Assistant Seminar	2
HIM 153 Introduction to Pharmacology	3
	Spring
MA 130 Clinical Assistant 3	3
MA 280 Co-op Ed: Medical Assistant	5
HIM 112 Medical Insurance Procedures	3
HIM 220 Legal and Ethical Aspects of Healthcare	3

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

## **Multimedia Design**

Offered by the Art & Applied Design, 541.463.5409

**Associate of Applied Science Degree** 

One-Year Certificate of Completion - Multimedia Design

One-Year Certificate of Completion - Web Design

Program Coordinator Contact Arts Division, Bldg. 11, Room 101

**Purpose** To prepare graduates for entry-level positions in media arts industries and careers in multimedia design and production.

**Learning Outcomes** The student who successfully completes all Multimedia Design requirements will:

- become proficient in developing and applying effective visual design and production strategies for creating multimedia, film/ video, animation, games, web sites, and photography for business, education, and entertainment industries.
- produce, manipulate, and process digital content using computer software applications.
- design digital projects incorporating multiple forms of media such as text, graphics, audio, video, and animation.
- have additional skills in one or more elective areas: software, design, or media production.
- understand the concepts, potential and implications of communicating ideas using multimedia technologies.
- use appropriate library and information resources to research media issues, concepts and tools, and support lifelong technical learning.

Cooperative Education (Co-op) Opportunities to work directly in media industries as interns are provided by the Co-op program. Through Co-op, students connect classroom learning with field experience, gain skills, and make contacts for the future. Second-year students will work with professional production teams to gain experience producing a variety of interactive multimedia products. Contact Teresa Hughes, Multimedia Design Co-op Coordinator, Bldg. 17, Rm. 106, 541.463.3179, hughest@lanecc.edu.

#### Job Openings Projected through 2020

Lane County Openings- 4 annually

Statewide openings - 37 annually

Lane County average hourly - \$36.24; average annual - \$64,969

Oregon average hourly - \$36.59; average annual - \$64,969

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. Multimedia Design courses fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Books \$1,700
Resident Tuition and General Student Fees \$9,006

Total Estimated Cost \$10,706

#### **Course Requirements**

- Foundational Skills and Discipline Studies courses can be taken P/NP or for a letter grade of C- or higher: WR 121, MTH 60, CG 203, Science, and Health/PE.
- All major courses must be taken for a letter grade, not P/NP.
- Major courses that serve as a prerequisite in a sequence must be passed with a B- or higher: FA 250, MUL 105, AUD 120, ART 216, VP 151, MUL 212, VP 152, MUL 210, FA 261, and MDP 246. All remaining major courses must be passed with a C- or higher.
- Students must earn a grade of 'B-' or better in all prerequisite (s) and 'C-' or better in major requirements.

	First Year	Fall
	MUL 105 Digital Photography	4
	MUL 101 Introduction to Media Arts	3
	FA 250 Concepts of Visual Literacy	3
	MUL 103Time-BasedToolsPhysical Education Activity or Health	4
	Thysical Education Activity of Fleatin	
	APT 216 Digital Design Tools	Winter 3
	ART 216 Digital DesignTools AUD 120 Audio Production	4
	ART 115 Basic Design: Fundamentals	3
	ART 245 Drawing for Media	4
	MUL 218 Business Practices for Media Arts	3
		Spring
	VP 151 Video Production 1: Camera	3
	FA 221 Computer Animation	4
	WR121 Academic Composition WR121_H Academic	
	Composition	4
	MUL 212 Digital Imaging	4
	Second Year	Fall
	ART 288 Introduction to Web Design and Social Media	3
	VP 152 Video Production 2: Editing	3
	FA 261 Writing and Interactive Design	3
	MUL 210 Multimedia Design  Directed Elective: Any Media Arts or Studio Arts course	3
	not required for the major. Some Computer Information	
	Science, Computer Science, Film and Music courses:	
	See Academic Advisor for a full listing	3 - 4
		Winter
	CG 203 Human Relations at Work	3
	MDP 246 Multimedia Production 1	4
	MDP 280 Co-op Ed: Multimedia	3
	Science, Math, Computer Science	4
		Spring
	MDP247 Multimedia Production 2	4
	MTH 60 Beginning Algebra or Higher Math or higher	4
	MDP 280 Co-op Ed: Multimedia	3
	Directed Elective: Any Media Arts or Studio Arts course	
	not required for the major. Some Computer Information	
	Science, Computer Science, Film and Music courses:	2 4
	See Academic Advisor for a full listing	3 - 4
	Directed Electives	
	ART116 Basic Design: Color	3
	ART119Typography 1	3
	ART151A Media GraphicsART220 Documentary Photography	3
	ART225 Digital Illustration	3
	ART231 Drawing: Intermediate	3
	ART234 Drawing: Figure	3
	ART261 Photography 1	3
	ART262 Photography 2	3
	ART290 Design Concepts for the Web	3
	CIS125G Software Tools 1: Game Development	4
	CIS195 Web Authoring 1 CS120 Concepts of Computing: Information	4
	Processing	4
	CS133JS Beg. Programming: JavaScript	4
	CS161C+ Computer Science 1	4
	CS295N Web Development 1: ASP.NET	4
	CS295P Web Development 1: PHP	4
	FA221 Computer Animation	4
	FA222 Computer Animation 2	4
	FA254 Fundamentals of Lighting	3
	FA255 Understanding Movies: American Cinema FA256 Lighting for Photography	3
	J134 Photojournalism	3
	J234 Photojournalism 2	4
	MDP248 Multimedia Production 3	4
	MUL220 Intermediate Typography	3
1	MUS119 Music Technology MIDI/Audio 2	4

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

## **Multimedia Design**

Offered by the Art & Applied Design, 541.463.5409

**One-Year Certificate of Completion** 

Program Coordinator Contact Arts Division, Bldg. 11, Rm. 101

**Purpose**To prepare students for entry-level positions in the media industry and careers in multimedia design and production.

**Learning Outcomes** The student who successfully completes all Multimedia Design requirements will:

- understand the concepts, potential, and implications of communicating ideas using computer-based media technology.
- become proficient in developing and applying effective visual design strategies for creating interactive multimedia, animation, games, web sites, and photography for business, education, and entertainment industries.
- use appropriate library and information resources to research media issues, concepts and tools, and support lifelong technical learning.
- design digital projects incorporating multiple forms of media such as text, graphics, audio, video, and animation.
- produce, manipulate, and process digital content using computer software applications.

### Job Openings Projected through 2020

Lane County Openings- 4 annually

Statewide openings - 37 annually

Lane County average hourly - \$31.24; average annual - \$64,969

Oregon average hourly - \$36.59; average annual - \$76,115

Costs (Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Books	\$1,700
Resident Tuition and General Student Fees	\$6,983

Total Estimated Cost \$8,683

#### **Gainful Employment Disclosure**

27-1014.00

Standard Occupational Classification: 27-1014.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Multimedia Artists and Animators onetonline.org/link/summary/24-1014.00

In academic year 2014-15, 8 students completed this certificate

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- Foundational Skills and Discipline Studies courses can be taken P/NP or for a letter grade of C- or higher: WR 121, WR 121\_H, MTH 60, and CG 203.
- All major courses must be taken for a letter grade, not P/NP.
- Major courses that serve as a prerequisite in a sequence must be passed with a B- or higher: CIS 195, ART 216, ART 289, and MUL 212. All remaining major courses must be passed with a C- or higher.

	Fall
MUL 105 Digital Photography	4
FA 250 Concepts of Visual Literacy	3
MUL 103 Time-Based Tools	4
WR 121 Academic Composition WR121_H Academic	
Composition	4
MUL 101 Introduction to Media Arts	3
	Winter
ART 216 Digital Design Tools	3
AUD 120 Audio Production	4
ART 115 Basic Design: Fundamentals	3
ART 245 Drawing for Media	4
Physical Education Activity or Health	3
	Spring
FA 221 Computer Animation	4
MTH 060 Beginning Algebra or higher	4
CG 203 Human Relations at Work	3
VP 151 Video Production 1: Camera	3
Science, Math, Computer Science course	3 - 4

## Web Design

Offered by the Art & Applied Design, 541.463.5409

**One-Year Certificate of Completion** 

Program Coordinator Contact the Arts Division, Bldg. 11, Rm 101.

**Purpose** The Web Design certificate is for students considering entry-level positions in web design and production, new media design, or positions with a focus on designing for the web, and online content.

**Learning Outcomes** The student who successfully completes all Web Design requirements will:

- learn to use appropriate library and information resources to research media topics and issues, concepts and tools, and support lifelong technical and aesthetic learning.
- manipulate variables using computer software applications.
- understand the concept, potential and implications of communicating ideas using computer-based interactive media technology.
- understand the concepts of media and its effect on society, and how to use media ethically.
- become proficient in developing and applying effective visual design strategies for creating web sites, interactive multimedia, animation, games, and computer-based training for deliver over the Internet, DVD's and CD-Rom. Develop additional skills in one or more elective areas: software, design, or media.
- develop proficiency in multiple forms of media design which includes writing for the web, graphic and web design, online content, working with visual imagery, video, sound and animation.

#### Job Openings Projected through 2020

Lane County: 4

Statewide: 43

Lane County hourly average - \$35.18; annual average - \$73,172 Oregon hourly average - \$31.18; annual average - \$64,849

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	, ,
Total Estimated Cost	\$7.873

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

15-1199.03

Go to the Department of Labor's O\*Bet website for a profile of this occupation. Web Administers. Onetonline.org/link/summary/15-1199.03 Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of web sites and web applications.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- Foundational Skills and Discipline Studies courses can be taken pass/no pass or for a letter grade of C- or better.
- All program core courses must be taken for a letter grade and passed with a minimum grade of C-.
- All program core courses that serve as a prerequisite in a sequence must be taken for a grade of B- or higher (with the exception of WR 121.) See course description for prerequisites.

	Fall
ART 216 Digital Design Tools	3
ART 115 Basic Design: Fundamentals	3
CIS 195 Web Authoring 1	3
MTH 60 Beginning Algebra or higher	4
	Winter
ART 245 Drawing for Media	4
ART 289 Web Production	3
CS 133 JS Beginning Programming: Java Script	4
MUL 212 Digital Imaging	4
	Spring
WR 121 Academic Composition or WR 121_H Academic	
Composition	4
ART 290 Design Concepts for the Web	3
MUL 218 Business Practices for Media Arts	3
MUL 280 Co-op Ed: Web Design	3
CG 203 Human Relations at Work	3

## Music Technology and Sound Engineering

Offered by the Music, Dance, and Theatre Arts 541.463.3108

**Associate of Applied Science Degree** 

Career Pathway Certificate - Music Technology and Sound Engineering: MIDI and Audio Production

Career Pathway Certificate - Music Technology and Sound Engineering: MIDI Production

**Program Coordinator** Matthew Svoboda 541.463.5736 Building 6, Room 138; Hisao Watanabe 541.463.5019, Building 6, Room 142; Seth Mulvihill 541.463.5184, Building 6, Room 137

Purpose The music technology associate of applied science degree is designed to meet the training and experience needs of new college students, current industry professionals and artists who work with recording equipment, recording studios, and music technology equipment. The program also includes a robust emphasis on musicianship, including one year of music theory, lessons and performance experience. This AAS degree covers essential skills used in the audio world and provides hands on experience with state of the art hardware and software. The experience and skills will allow graduates to more easily attain positions in the industry or assist them in starting their own small businesses. The foundation of musicianship and music theory will also allow motivated graduates to further their studies at a number of universities and colleges that offer music technology or electronic music undergraduate degrees, such as University of Oregon and Northwest Christian University.

Learning Outcomes The student who successfully completes all Music Technology and Sound Engineering requirements will:

- demonstrate proficiency using software and hardware for recording, editing and processing music and audio for commercial and artistic purposes.
- identify and use a variety of microphones, preamplifiers, and other outboard signal processors. Demonstrate skill in microphone selection and placement.
- analyze audio recordings in terms of frequency, stereo field, phase cancellation, and dynamic range.
- demonstrate knowledge of MIDI basics including: MIDI networks and MIDI sequencers.
- demonstrate understanding of technical vocabulary associated with audio engineering.
- demonstrate understanding of technical vocabulary associated with MIDI and MIDI software.
- engineer and produce recording sessions for many instruments and styles.
- do creative work under pressures of deadlines and scheduling time with clients.
- create high quality audio mixes for a variety of commercial and creative purposes.
- demonstrate proficiency in keyboards and/or other instrument(s).
- demonstrate knowledge and practical use of various studio file formats (AIFF, MP3).

Advising and Counseling Judith Gates 541.463.3200

Job Openings Projected through 2020

#### **Sound Engineering Technicians**

Portland Metro 104 openings

Oregon statewide openings annually 4

#### **Music Directors and Composers**

Lane County openings 3

Oregon statewide openings annually 33

38 Music Technology and Sound Engineering	
Media and Communications Workers	
Lane County openings 0	
Office and Administrative Support Workers	
Lane County openings 29	
Sound Engineering Technicians	
Lane County average hourly wage \$28.44	
Music Directors and Composers	
Lane County average hourly wage \$18.86	
Media and Communications Workers	
Lane County average hourly wage \$18.51	
Office and Administrative Support Workers	
Lane County average hourly wage \$16.69	
<b>Costs</b> Estimate based on 2017-18 tuition and fees. Const website for updated tuition.	ult Lane's
Books	\$1,000
Program Specific Fees	\$400 \$9,743
-	
Total Estimated Cost	\$11,143

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

## **Course Requirements**

- Music Theory Placement exam required to get into MUS 111. Contact music office 541.463.3108 for exam information.
- MUS 107, MUS 109, MUS 111, MUS 112, MUS 114, MUS 127 must be passed with a letter grade of C- or better to advance to the next course in the sequence.

First Year	Fall
Science	3
WR 115 Introduction to College Composition	4
Choose an ensemble course from the following: - MUS 29	•
295 - MUS 294 - MUS 291 - MUS 297	2
MUP 100 Individual Lessons	1
MUS 101 Music Fundamentals	3
MUS 131 Group Piano	2
	Winter
MUS 118 MusicTechnology MIDI/Audio 1	4
MTH 060 Beginning Algebra or higher	4
Choose an ensemble course from the following:	4
MUS 293	
MUS 295	
MUS 294	
MUS 291	
MUS 297	2
Choose a group class from the following:	_
MUS 137	
MUS 138	
MUS 134	2
Choose a group class from the following:	
MUS 103	
MUS 264	
MUS 265	
MUS 266	
AUD 120	3 - 4
MUP 100 Individual Lessons	1
	Spring
MUS 119 Music Technology MIDI/Audio 2	4
MUP 100 Individual Lessons	1
PE or Dance	1
Choose an ensemble course from the following:	
MUS 293	
MUS 295	
MUS 294	
MUS 291	
MUS 297	2
Human Relations	4

	Choose an elective course from the following: MUS 103 MUS 264 MUS 265	
	MUS 266 MUS 268	
	AUD 120	3 - 4
	Second Year	Fall
	MUS 107 Audio Engineering 1 MUS 111 MusicTheory 1 (FirstTerm)	3 4
	MUS 114 Sight-reading and EarTraining (FirstTerm)	2
	MUS 127 Keyboard Skills 1 (FirstTerm) PE or Dance	2
	Choose an ensemble course from the following:	
	MUS 293 MUS 295	
	MUS 294	
	MUS 291 MUS 297	2
	Choose an elective course from the following:	_
	MUP 100 MUS 137	
	MUS 134	
	MUS 138 MUS 103	
	MUS 161	
	MUS 264 MUS 265	
	MUS 266	
	MUS 268 AUD 120	1 - 4
		Winter
	MUS 109 Audio Engineering 2 MUS 112 MusicTheory 1 (SecondTerm)	4 4
	MUS 115 Sight-reading and EarTraining (SecondTerm)	2
	MUS 128 Keyboard Skills 1 (SecondTerm)	2
	MUS 293	
	MUS 295 MUS 294	
	MUS 291	
	MUS 297 Choose an elective course from the following:	2
	MUP 100 MUS 137	
	MUS 134	
	MUS 138 MUS 103	
	MUS 161	
	MUS 264 MUS 265	
	MUS 266	
	MUS 268 AUD 120	1 - 4
		Spring
	MUS 110 Audio Engineering 3	4
	MUS 113 MusicTheory 1 (ThirdTerm)	4 1
	Choose an elective course from the following:	
	MUS 137 MUS 134	
	MUS 138 MUS 161	2
	Choose an ensemble course from the following:	2
	MUS 293 MUS 295	
	MUS 294	
	MUS 291 MUS 297	2
	Choose an elective course from the following:	_
	MUP100 MUS 137	
1		

MUS 134	
MUS 138	
MUS 103	
MUS 161	
MUS 264	
MUS 265	
MUS 266	
MUS 268	
AUD 120	2 - 4
Directed Electives	
MUS 116 Sight-reading and Ear Training (Third Term)	2
MUS 129 Keyboard Skills 1 (ThirdTerm)	2
MUS 205 Introduction to Jazz History	3
MUS 260 History of Hip-Hop and Rap music	3
· · · · · · · · · · · · · · · · · · ·	

## Music Technology and Sound Engineering: MIDI and Audio Production

Offered by the Music, Dance and Theatre

#### **Career Pathway Certificate**

**Program Coordinator** Matthew Svoboda 541.463.5736 Building 6, Room 138; Hisao Watanabe 541.463.5019, Building 6, Room 142; Seth Mulvihill 541.463.5184, Building 6, Room 137

**Purpose** Builds upon MIDI Production foundations with training in audio recording and editing software, hardware and techniques, including advanced audio production concepts such as creating audio for video, microphone techniques,

Learning Outcomes The student who successfully completes all Music Technology and Sound Engineering: MIDI and Audio Production requirements will:

- demonstrate proficiency using software and hardware for recording, editing and processing music and audio for commercial and artistic purposes.
- identify and use a variety of microphones, preamplifiers, and other outboard signal processors. Demonstrate skill in microphone selection and placement.
- demonstrate understanding of technical vocabulary associated with MIDI and MIDI software.
- demonstrate understanding of technical vocabulary associated with audio engineering.
- demonstrate knowledge of MIDI basics including: MIDI networks, MIDI synthesizers, and MIDI sequencers.
- engineer and produce recording sessions for many instruments and styles.
- create high quality audio mixes for a variety commercial and creative purposes.
- demonstrate proficiency in keyboards and/or another instrument.
- demonstrate knowledge and practical use of various studio file formats (AIFF, MP3).

Advising and Counseling Judith Gates 541.463.3420

#### Job Openings Projected through 2020

### **Sound Engineering Technicians**

Portland Metro 104 openings

Oregon statewide openings annually 4

#### **Music Directors and Composers**

Lane County openings 3

Oregon statewide openings annually 33

#### **Media and Communications Workers**

Lane County openings 0

Office and Administrative Support Workers

Lane County openings 29

#### **Sound Engineering Technicians**

Lane County average hourly wage \$28.44

#### **Music Directors and Composers**

Lane County average hourly wage \$18.86

#### **Media and Communications Workers**

Lane County average hourly wage \$18.51

#### Office and Administrative Support Workers

Lane County average hourly wage \$16.69

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

	\$600 \$400 4,383
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Total Estimated Cost \$5,383

#### **Course Requirements**

- Music Theory Placement exam required to get into MUS 111.
   Contact music office 541.463.3108 for exam information. " " "
- MUS 107, MUS 109 must be passed with a letter grade of C- or better to advance to the next course in the sequence.

	Fall
MUS 101 Music Fundamentals	3
MUS 131 Group Piano	2
MUS 118 Music Technology MIDI/Audio 1	
MUS 107 Audio Engineering 1	3
MUS 111 MusicTheory 1 (FirstTerm)	4
MUS 114 Sight-reading and EarTraining (FirstTerm)	2
MUS 127 Keyboard Skills 1 (FirstTerm)	2
	Winter
MUS 119 MusicTechnology MIDI/Audio 2	4
MUS 109 Audio Engineering 2	
MUP 100 Individual Lessons	
	Spring
AUD 120 Audio Production	4
MUS 110 Audio Engineering 3	4
Choose a course from the following:	
MUS 295	
MUS 294	
MUS 291	
MUS 297	2

## Music Technology and Sound Engineering: MIDI Production

Offered by the Music, Dance, and Theatre Arts

#### **Career Pathway Certificate**

**Program Coordinator** Matthew Svoboda 541.463.5736 Building 6, Room 138; Hisao Watanabe 541.463.5019, Building 6, Room 142; Seth Mulvihill 541.463.5184, Building 6, Room 137

**Purpose** Develops familiarity with MIDI software, MIDI hardware, and foundations of music production including basic audio production concepts such as file management, mixing, and basic recording

**Learning Outcomes** The student who successfully completes all Music Technology and Sound Engineering: MIDI Production requirements will:

- demonstrate proficiency using software and hardware for recording, editing and processing MIDI data for commercial and artistic purposes.
- demonstrate knowledge of MIDI basics including: MIDI networks and MIDI sequencers.

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- be able to use a variety of synthesizers, virtual instruments, and keyboards with MIDI software.
- demonstrate understanding of technical vocabulary associated with MIDI and MIDI software.
- show at least basic proficiency in keyboards and/or another instrument.
- use basic keyboard skills and music theory knowledge to create MIDI projects and mixes.
- demonstrate knowledge and practical use of various studio file formats (AIFF, MP3).

Advising and Counseling Judith Gates 541.463.3420

#### Job Openings Projected through 2020

#### **Sound Engineering Technicians**

Portland Metro 104 openings

Oregon statewide openings annually 4

#### **Music Directors and Composers**

Lane County openings 3

Oregon statewide openings annually 33

#### **Media and Communications Workers**

Lane County openings 0

#### Office and Administrative Support Workers

Lane County openings 29

#### **Sound Engineering Technicians**

Lane County average hourly wage \$28.44

#### **Music Directors and Composers**

Lane County average hourly wage \$18.86

#### **Media and Communications Workers**

Lane County average hourly wage \$18.51

## Office and Administrative Support Workers

Lane County average hourly wage \$16.69

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$300
Program Specific Fees	\$400
Resident Tuition and General Student Fees	\$2,200

Total Estimated Cost \$2,900

<sup>\*</sup>Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

	Fall
MUS 101 Music Fundamentals	3
MUS 131 Group Piano	2
	Winter
MUS 118 MusicTechnology MIDI/Audio 1	4
MUP 100 Individual Lessons	1
	Spring
MUS 119 Music Technology MIDI/Audio 2	4
AUD 120 Audio Production	4
Choose a course from the following:	
MUS 295	
MUS 294	
MUS 291	
MUS 297	2

## Nursing

Offered by the Health Professions Division 541.463.5617

**Associate of Applied Science Degree** 

**One-Year Certificate of Completion - Practical Nursing** 

**Program Coordinator** Associate Dean for Health Professions, Bldg 30, Rm. 110. 541.463.5754

Purpose To prepare the graduate to practice as an associate degree registered nurse, to be eligible to take the National Council Licensure Examination (NCLEX)-RN. Acceptance to the program allows for co-admission to Lane Community College and Oregon Health Sciences University nursing programs.

Learning Outcomes Nursing care competencies recognize that a competent nurse provides safe care across the lifespan directed toward the goals of helping clients (individuals, families or communities) promote health, recover from acute illness and/or manage a chronic illness and support a peaceful and comfortable death. As a member of the Oregon Consortium for Nursing Education the Lane Nursing curriculum supports the following nursing competencies.

- bases personal and professional actions on a set of shared core nursing values.
- · develops insight through reflection, self-analysis and self-care.
- · engages in intentional learning.
- · demonstrates leadership in nursing and healthcare.
- collaborates as part of a health care team.
- utilizes and contributes to the broader health care system.
- practices relationship-centered care.
- · communicates effectively.
- · makes sound clinical judgments.
- uses the best available evidence.

Accreditation Nursing, Oregon State Board of Nursing (OSBN) 27938 SW Upper Boones Ferry Rd, Portland, OR, 971.673.0685, oregon.gov/OSBN. Lane is a member of the Oregon Consortium for Nursing Education (OCNE) and offers a competency-based curriculum jointly developed by nursing faculties from nine community colleges and OHSU consortium partners.

**Licensing & Certification** Successful graduates will be awarded an Associate Degree in Nursing and be eligible to take the National Council Licensure Examination-RN (NCLEX\_RN) which confers licensure as a registered nurse.

#### **Admission Information Program website:**

- lanecc.edu/hp/nursing
- lanecc.edu/hp/nursing/registered-nursing-application -information
- lanecc.edu/hp/nursing/pn-rn-bridge-application-information

Informationon criminal background checks and disqualifying crimes can be found at the Oregon Board of Nursing at: oregon. gov/OSBN/pages/criminal\_history.aspx

Advising and Counseling For assistance with meeting application or program requirements contact Health Professions Advising in Building 30 at the Information Desk or in Building 1, Room 103 or E-mail NursingProgram@lanecc.edu with your specific questions.

Cooperative Education (Co-op) Co-op internships may be taken as an optional elective any of the last four terms of the program. Contact Associate Dean of Health Profession, (Cooperative Education Coordinator for Nursing), Bldg. 30, Rm. 110, 541.463.5754.

#### Job Openings Projected through 2020

Lane County openings - 141 annually Statewide openings 1,625 annually

Spring

2 - 3

Lane County average hourly - \$41.00 average annual - \$83,630 Oregon average hourly - \$41.83 average annual - \$85,333

Costs Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition. The total of all the differential fees attached to Nursing courses in the 2-yr program and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. As an accepted PN to RN Bridge Student you will not have the 1st Yr RN costs, but will have @ \$5,918 for your Patho, Pharm & Bridge courses and costs associated with these courses.

Books	\$248 \$1,300 \$11,710
Program Specific Fees	\$3,811

Total Estimated Cost \$28,111

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- Other immunizations, drug testing, criminal background check required. Information relating to criminal background checks and disqualifying crimes can be found at the Oregon Board of Nursing: www.oregon.gov/OSBN/pages/criminal\_history.aspx
- Courses: See Prerequisite Courses for Program Admission.
- WR 123 and 227 are waived if WR 121 and WR 122 are taken as 4 credit courses.
- BI 233 and BI 234 course must have been completed within 7 years prior to start the nursing program
- Students must be enrolled in the Nursing Program to register for any NRS classes.
- NRS115 LPN Transition to OCNE, 6 credits, will be offered in Spring term through LCC and will be limited to space available to those LPN to Bridge students admitted to the program.
- PSY 236 is not offered at Lane, but is available at other colleges in the OCNE consortium.
- WR 121 and 122 (prerequisite to program entry) are waived with completion of previous U.S. Bachelors Degree or higher from U.S. regionally accredited institution.
- All courses except Clinical Labs, Cooperative Education, and Biology with Genetics must be passed with a letter grade of 'C' or better. C- or less not accepted.

#### **Prerequisites**

BI 232 Human Anatomy and Physiology 2

BI 231 Human Anatomy and Physiology 1

BI 233 Human Anatomy and Physiology 3

FN 225 Nutrition

PSY 215 Lifespan Developmental Psychology

Choice of: WR121 Academic Composition Honors WR121\_H Academic Composition Honors

Choice of: WR122 Composition: Argument, Style & Research-Honors WR122\_H Composition: Argument, Style & Research-Honors Arts and Letters, Social or Natural Science electives (required for BS, not for AAS)

Arts and Letters, Social or Natural Science electives (required for BS, not for AAS)

Arts and Letters, Social or Natural Science electives (required for BS, not for AAS)

College level 100 or 200 level non-studio Arts and Letters, Human Relations, Social Science or Science Electives. You may take any course from the following: Anthropology, Career Guidance (CG), Economics, Ethnic Studies, Geographic Information Science (GIS), Geography, History, Philosophy, Human Development (HD), Human Services (HS), Political Science, Psychology, Religion, Sociology, Women's Studies; CJA 214, HUM 100, SLD 103, SLD 121

BI 234 Introductory Microbiology

MTH095 Intermediate Algebra or higher or credit by exam for MTH 095 or transcripted credits: AP (Calculus), or CLEP (College Algebra, or any Calculus, Further Mathematics or Statistics.)

<ul><li>095 or transcripted credits: AP (Calculus), or CLEP (College bra, or any Calculus, Further Mathematics or Statistics.)</li><li>Human Relations Requirement</li></ul>	: Alge-
First Year	Fall
NRS 110A Foundations of Nursing-Health Promotion NRS 110B Foundations of Nursing-Health Promotion	4
NRS 232 Pathophysiological Processes 1	5 3
	Winter
NRS 111A Foundations of Nursing in Chronic Illness 1 NRS 111B Foundations of Nursing in Chronic Illness 1-	2
Clinical Lab	4
WR123 Composition: Research Writing	
WR227 Technical Writing 4CR (only required if WR 121 and/or WR 122 was taken for 3 instead of 4 credits)	4
	Spring
NRS 231 Clinical Pharmacology 2	3
NRS 233 Pathophysiological Process 2	3
NRS 280 Co-op Ed: Nursing	2 - 3
NRS 112A Foundations of Nursing in Acute Care 1 AND NRS 112B Foundations of Nursing in Acute Care 1 Clinical Lab or NRS 115 LPN Transition to OCNE	
(only accepted LPN to RN Bridge Students)	6
BI 101K + BI 233 BI 101K + BI 102G	3 - 4
Second Year	Fall
NRS 221A Foundations of Nursing in Chronic Illness 2	ı alı
and End of LifeNRS 221B Foundations of Nursing in Chronic Illness 2	4
and End-of-Life Clinical Lab	5
	Winter
NRS 222A Foundations of Nursing in Acute Care 2	
and End-of-Life	4
and End-of-Life Clinical Lab	5
	Spring
NRS 224A Integrative Practicum 1	2
NRS 224B Integrative Practicum 1 Lab	7
Electives as required to complete 90 credits for AAS	22

#### **Practical Nursing**

**Additional Electives** 

Offered by the Health Professions Division 541.463.5617

NRS 280 Co-op Ed: Nursing.....

**One-Year Certificate of Completion** 

**Program Coordinator** Associate Dean of Health Professions 541.463.5754

**Purpose** Completion of this program gives the student a certificate in Practical Nursing (PN) which meets the educational requirements for the national exam for PN licensure (NCLEX-PN).

Learning Outcomes Completion of this program gives the student a certificate in Practical Nursing (PN) which meets the educational requirements for the national exam for PN licensure (NCLEX-PN).

 identify issues and care for clients in multiple healthcare settings.

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- demonstrate understanding of how to develop a nursing care plan and identify the difference between the LPN and RN roles in developing and implementing the plan.
- pathophysiology, medical management and nursing intervention in caring for clients with all conditions to include acute, chronic, obstetrics, psychiatric and terminal illnesses.
- understand the principles of pharmacodynamics and pharmacokinetics.

Accreditation Practical Nursing, accredited by the Oregon State Board of Nursing (OSBN), 17938 SW Upper Boones Ferry Rd., Portland, OR 97163-0685, oregon.gov/OSBN.

Licensing & Certification Completion of this program gives a student a Certificate in Practical Nursing, which meets the educational requirements for the National Exam for PN licensure (NCLEX-PN).

Admission Information Program website: lanecc.edu/hp/nursing

Application website: lanecc.edu/hp/nursing/licensed-practical -nursing-application-information

Drug testing, criminal back-ground check and immunizations required. Consult lanecc.edu/hp/nursing/licensed-practical-nursing

Information on criminal background checks and disqualifying crimes can be found at the Oregon Board of Nursing at: arcweb.sos.state.or.us/pages/rules/oars\_800/oar\_851/851\_045.html

Advising and Counseling For assistance with meeting application or program requirements contact Health Professions Advising in Building 30 at the Information Desk or in Building 1, Room 103 or E-mail NursingProgram@lanecc.edu with your specific questions.

#### Job Openings Projected through 2020

Lane County - 10 annually

Oregon - 119 annually

Lane County average hourly - \$22.76 average annual - \$47,336

Oregon average hourly - \$23.97 average annual - \$49,871

Costs Estimates based on 2017-18 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees. The total of all the differential fees attached to Practical Nursing courses and other course fees may change during the year see the online credit class schedule for fees assigned to courses.

Books	\$675
Certification, Licensure, Exams, Physicals	\$248
Computers/Internet Service	\$850
Differential Fees*	\$3,472
Program Specific Fees	\$2,727
Resident Tuition and General Student Fees	\$5,797

Total Estimated Cost \$13,769

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Gainful Employment Disclosure**

29-2061.00

Standard Occupational Classification: 29-2061.00 Go to the Department of Labor's O\*Net website for a profile of this occupation: Licensed Practical and Licensed Vocational Nurses onetonline.org/link/summary/29-2061.00 Or check on these O\*Net Related Occupations: Psychiatric Aides onetonline.org.link/ summary/31-1013.00

In academic year 2014-15, 13 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

## **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- The most recent BI 233 course must have been completed within 7 years prior to starting the PN Program.
- PN 101, PN 102, and PN 103 must be completed with a letter grade and passed with 'C' or better (C- are not accepted.) Human Relations course must be completed with a letter grade.

#### **Prerequisites**

BI 231 Human Anatomy and Physiology 1

BI 232 Human Anatomy and Physiology 2

BI 233 Human Anatomy and Physiology 3

PSY 215 Lifespan Developmental Psychology Current Certified Nursing Assistant (CNA)

**Human Relations Requirement** 

HO 100 Medical Terminology 1

MATH: Choice of: MTH 052, MTH 065, MTH 095, MTH 105 or higher. Or Credit by Exam for one of the above math classes or transcripted credits: AP (Calculus), or CLEP (College Algebra, or any Calculus, or Statistics), or IB (Mathematics, or Math Studies, or Further Mathematics, or Statistics)

	Winter
PN 101 Practical Nursing 1	12
Choice of:	
WR121 Academic Composition	
WR121_H Academic Composition Honors	4
	Spring
PN 102 Practical Nursing 2	12
Choice of:	
WR122 Composition: Style and Argument	
WR122_H Composition: Style and Argument	4
S	ummer
PN 103 Practical Nursing 3	13

## **Paramedicine**

Offered by the Health Professions Division, 541.463.5617

Associate of Applied Science Degree

One-Year Certificate of Completion - Emergency Medical Technician

Program Coordinator J. Cory Miner

Purpose To produce competent, entry level EMT and Paramedics to serve in a career in EMS.

Learning Outcomes The student who successfully completes all Paramedicine requirements will:

- demonstrate personal behaviors consistent with public and employer expectations of professional EMS providers.
- demonstrate technical proficiency in the performance of EMT and/or paramedic skills.
- demonstrate technical proficiency with the operation of EMT and/or paramedic equipment.

- be able to understand, interpret, apply, evaluate and effectively communicate EMS and general medical knowledge necessary to function in a healthcare setting.
- be able to verbally communicate effectively.

Accreditation Paramedicine accredited by the Oregon Department of Education (ODE) or the Oregon State Board of Higher Education. The ODE uses the DHS/EMS administrative rules (OAR 333-265) and must meet the standards established by the ODE in OAR chapter 581, division 49. arcweb.sos.state.or.us/rules/OARS 500/OAR 581/581 049.html

**Licensing & Certification** Students will be eligible to test for national certification and Oregon State licensure following completion of EMT and/or Paramedic training.

Admission Information Students are encouraged to consult a program advisor or counselor before applying for admission. The application and information on the point allocation system and transfer students is available in the Counseling and Advising Center and on the EMT website, <code>lanecc.edu/hp/emt</code>.

Advising and Counseling For questions about credit coursework contact Counseling and Advising, Student Services Building, or email *EMTParamedicProgram@lanecc.edu*. For information on non-credit offerings in EMS visit the EMT website, *lanecc.edu/hp/emt*. For all EMT specific questions contact *ems@lanecc.edu*.

**Cooperative Education (Co-op)** Students earning the Paramedicine AAS two-year degree are required to take two Cooperative Education courses. Co-op courses provide opportunities for onthe-job experience to complete Paramedic training.

#### Job Openings Projected through 2020

Lane County openings - 8 annually

Statewide openings - 137 annually

Lane County Average Hourly for Paramedic/Fire Fighter - \$26.78; average annual - \$55,703

Costs Estimate based on 2017-18 tuition and fees. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition. The total of all the differential fees attached to Emergency Medical Technology-Paramedicine courses and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Students are advised to inquire about additional charges.

Books	\$2,016
Certification, Licensure, Exams, Physicals	\$1,853
Computers/Internet Service	\$1,450
Differential Fees*	\$1,887
Instruments/Tools	\$20
Program Specific Fees	\$3,970
Resident Tuition and General Student Fees	\$10,050
Uniforms	\$275

Total Estimated Cost \$21,521

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- EMT 271 and EMT 273 must be completed with a grade of 'Pass' or 'C-' or better.
- MTH 095, PSY 110, WR 121, HE 275, COMM 111, and Social Science/Human Relations requirement must be completed with a letter grade, not P/NP.
- All other courses must be completed with a letter grade, not P/ NP, and must be passed with a grade of 'C-' or better to satisfy program requirements.
- Choices for Social Science/Human Relations requirement are listed on the Associate of Applied Science degree page.

- Students pursuing a bachelor's degree need to complete a college level, transferable math course.
- Prerequisites are required for BI 231. See course descriptions.

First Year	Fall
BI 231 Human Anatomy and Physiology 1	4
EMT 151 Emergency Medical Technician Basic Part	1 5
EMT 152 Emergency Medical Technician Basic Part	2 5
EMT 175 Introduction to Emergency Services	4
,	Winter
Chaire of M/D101 lates to Anadomic Communities	William
Choice of: WR121 Intro to Academic Composition WR121 H Intro to Academic Composition	4
BI 232 Human Anatomy and Physiology 2	
EMT 196 Crisis Intervention	
MTH 095 Intermediate Algebra or higher	
Human Relations Requiement	
Human Kerations Requiement	
	Spring
BI 233 Human Anatomy and Physiology 3	4
EMT 169 Emergency Services Rescue	4
EMT 170 Emergency Response Communication	
/Documentation	
EMT 171 Emergency Response Patient Transportat	
PSY 110 Exploring Psychology or higher	
HO 100 Medical Terminology 1	3
Second Year	Fall
EMT 270 Paramedic Part 1	10
EMT 271 Emergency Medical Technology-Paramed	
Clinical Part 1	
COMM 111 Fundamentals of Public Speaking or hig	
	Winter
FMT 070 Dawa and die Dawt 0	
EMT 272 Paramedic Part 2 EMT 273 Emergency Medical Technology-Paramed	
Clinical Part 2	
HE 275 Lifetime Health and Fitness	
HE 275 Lifetime Health and Fitness	
	Spring
EMT 274 Emergency Medical Technology-Paramed	ic
Part 3	
EMT 275 Emergency Medical Technology- Paramed	dic
Clinical Part 3	
EMT 280P1 Co-op Ed: EMT Internship Part 1	3
	Summer
EMT 280P2 Co-op Ed: EMT Internship Part 2	5
LIVIT 2001 2 CO-OP LU. LIVIT HITEHISHIP FAIT 2	

#### **Emergency Medical Technician**

Offered by the Health Professions Division, 541.463.5617

**One-Year Certificate of Completion** 

Program Coordinator Cory Miner, minerjc@lanecc.edu

Purpose Certificate of Completion was created as a statewide transfer tool. Some Oregon schools offer only the first year of the two-year degree. The certificate of completion qualifies a student to participate in the process for entry into the second year of the Paramedicine AAS offered throughout the state. All Community College paramedic programs follow the same curriculum and accept students transferring from community colleges that only provide the first-year courses.

**Learning Outcomes** The student who successfully completes all Emergency Medical Technician requirements will:

- be able to understand, interpret, apply, evaluate and effectively communicate EMS and general medical knowledge necessary to function in a healthcare setting.
- the graduate will: be able to verbally communicate effectively.
- demonstrate personal behaviors consistent with public and employer expectations of professional EMS providers.
- demonstrate technical proficiency in the performance of EMT and/or paramedic skills.
- demonstrate technical proficiency with the operation of EMT and/or paramedic equipment.

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

Admission Information Please consult lanecc.edu/hp/emt

Advising and Counseling Marleena Pearson pearsonm@lanecc.

#### Job Openings Projected through 2020

Lane County openings - 5 annually

Statewide openings - 82 annually

Oregon average hourly - \$18.25; average annual - \$37,965

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Differential Fees* \$50 Program Specific Fees \$1,55 Resident Tuition and General Student Fees \$4,97 Uniforms \$21	Program Specific FeesResident Tuition and General Student Fees	\$1,000 \$506 \$1,595 \$4,975
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Total Estimated Cost \$10,439

#### **Gainful Employment Disclosure**

29-2041.00

Go to the Department of Labor's O\*Net website for a profile of this occupation: Emergency Medical Technicians and Paramedics Onetonline.org/link/summary/29-2041.00 Or check on these O\*Net Related Occupations: Ambulance Drivers and Attendants, Except Emergency Medical Technicians onetonline.org. link/summary/53-3011.00 Office Clerks, General onetonline.org/ link/summary/43-9061.00

In academic year 2014-15, 5 students completed this certificate.

The program is designed to take 4 terms, or about 15 months of study to complete.

Lane Community College is committed to protecting student privacy and does not publish this rate for fewer than 10 graduates. Note: The federally required method for calculating the on time program completion rate assumes students will declare their completion program major immediately upon entering Lane, enroll full-time each term, and remain enrolled at Lane continuously until they complete their program. In reality, many students attend part-time, explore several majors, stop out for a term or more, and brush-up on their academic skills to be better prepared for college-level courses, all of which affect this narrowly defined on time completion rate.

For privacy reasons under FERPA, loan information is not disclosed for programs with fewer than 10 Title IV on-time graduates.

Explanation of costs: lanecc.edu/esfs/credit-fees-and-expenses

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- MTH 095, PSY 110, and WR 121 must be completed with a letter grade, not P/NP.
- All other courses must be completed with a letter grade, not P/ NP, and must be passed with a grade of 'C-' or better to satisfy program requirements.
- Prerequisites are required for BI 231. See course descriptions.

Fall
4
5
4
5

	Winter
Choice of:	
WR121   Intro to Academic Composition	
WR121_H Intro to Academic Composition	4
BI 232 Human Anatomy and Physiology 2	4
EMT 196 Crisis Intervention	3
MTH 095 Intermediate Algebra or higher	5
Human Relations Requiement	3
	Spring
BI 233 Human Anatomy and Physiology 3	Spring 4
BI 233 Human Anatomy and Physiology 3 EMT 169 Emergency Services Rescue	
	4
EMT 169 Emergency Services Rescue	4
EMT 169 Emergency Services Rescue EMT 170 Emergency Response Communication	4 4
EMT 169 Emergency Services Rescue EMT 170 Emergency Response Communication /Documentation	4 4 2

#### **Physical Therapist Assistant**

Offered by the Health Professions Division, 541.463.5617

**Associate of Applied Science Degree** 

**Program Coordinator** Christina Howard, PT, MPT, Health Professions, Building 30, Room 124, 541.463.5764, *howardc@lanecc.edu* 

**Purpose** Prepare the graduate to practice as an entry-level, licensed physical therapist assistant (PTA).

Learning Outcomes Physical Therapist Assistant (PTA) program learning outcomes are based on the guidelines of the Commission on Accreditation in Physical Therapy Education (CAPTE). Program graduates must demonstrate broad, integrative and specialized knowledge, technical and communication skills, and behavior and conduct consistent with entry-level PTA practice. Learning outcomes have a strong emphasis on safely and effectively implementing a plan of care under the direction of a supervising physical therapist. PTAs work under the direction of the supervising physical therapist in helping clients (individuals, families or communities) promote health and recovery from acute or chronic neuromuscular, musculoskeletal, cardiovascular, pulmonary, metabolic, and integument injury or disease. The graduate:

- communicates verbally and non-verbally with the patient, the physical therapist, health care delivery personnel, and others in an effective, appropriate, and capable manner.
- recognizes individual and cultural differences and responds appropriately in all aspects of physical therapy services.
- exhibits conduct that reflects a commitment to meet the expectations of the members of the profession of physical therapy and members of society receiving health care services.
- exhibits conduct that reflects safe practice standards that are legal, ethical and safe.
- communicates an understanding of the plan of care developed by the physical therapist to achieve short and long term goals and intended outcomes.
- demonstrates competence in implementing selected components of interventions identified in the plan of care established by the physical therapist, including functional training, infection control, manual therapy, physical and mechanical agents, therapeutic exercise, and wound management.
- demonstrates competency in performing components of data collection skills essential for carrying out the plan of care, including tests and measures for aerobic capacity, pain, cognition, assistive and prosthetic devices, joint motion, muscle performance, neuromotor development, posture, self-care and home/community management, ventilation, respiration, and circulation.
- recognizes and initiates clarifications with the supervising physical therapist when indicated.
- adjusts treatment interventions within the plan of care to optimize patient safety, progress, and comfort; reports outcomes to the supervising physical therapist.

<sup>\*</sup>This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

- instructs and educates patients, family members, and caregivers as directed by the supervising physical therapist.
- instructs members of the health care team as directed by the supervising physical therapist, using appropriate instructional materials and approaches.
- demonstrates a commitment to meeting the needs of the patients and consumers.
- interacts with other members of the health care team in patient care and non-patient care activities.
- provides accurate and timely information for billing and reimbursement purposes.
- · participates in quality assurance activities.
- demonstrates an awareness of social responsibility, citizenship and advocacy, including participation in community and service organizations and activities.
- identifies career and lifelong learning opportunities.

Accreditation Physical Therapist Assistant, accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314); phone: 703.706.3245; email: accreditation@apta.org; website: capteon-line.org.

**Licensing & Certification** Graduates meet education eligibility for the National Physical Therapist Assistant Examination administered by the Federation of State Boards of Physical Therapy

Admission Information Students are admitted once a year. Admission is restricted and is based on a program application. Please consult *lanecc.edu/hp/pta/*.

Advising and Counseling Early academic advising is highly recommended. Drop-in advising is available in Building 1, Room 103, 541.463.3800. Online advising is available at ptaprogram@lanecc.edu

Cooperative Education (Co-op) Co-op is required for second year students enrolled in the Physical Therapist Assistant Program. Students must complete 18 credits of Co-op a program-designated co-op site. Contact Beth Thorpe, PTA Cooperative Education Coordinator, Bldg. 30, Rm. 108, 541.463.3274, thorpeb@lanecc.edu.

#### Job Openings Projected through 2020

Lane County openings - 3 annually

Statewide openings - 40 annually

Lane County median hourly - \$28.40; average annual - \$58,972

Oregon median hourly - \$27.97; average annual - \$57,917

**Costs** Estimated based on 2017-18 tuition and fees. Consult Lane's website for updated tuition and fees for prerequisite and program courses. Prerequisite costs will vary for transfer students.

Books	\$1,100
Certification, Licensure, Exams, Physicals	\$3,355
Computers/Internet Service	\$1,100
Differential Fees*	\$1,610
Program Specific Fees	\$938
Resident Tuition and General Student Fees	\$12,556

Total Estimated Cost \$20,659

\*This is the total of all the differential fees attached to the courses in this program. These fees and other course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- All admitted students must complete either HO 152 or BI 233 no later than year 1 winter term
- Prerequisites are required for some courses. See course descriptions
- No more than 16 credits with a grade of Pass are accepted

- Non-PTA courses must be passed with a grade of Pass or C or better to satisfy program requirements
- All PTA courses must be completed with a letter grade of C or better to satisfy program requirements
- The following requirements must meet universal standards order to begin clinical internships Physical examination Tuberculosis (TB) screen Substance abuse screening (10-panel drug and alcohol screen), and Criminal background check
- PTA 200 meets the Human Relations Requirement for this program

#### **Prerequisites**

HO 100 Medical Terminology 1

GS 104 Physical Science

WR121 Introduction to Academic Writing, OR WR121\_H Introduction to Academic Writing Honors

WR122 Composition: Argument, Style, and Research

WR122\_H Composition: Argument, Style, and Research Honors WR123 Composition: Research Writing WR227 Technical Writing WR 227 H Technical Writing Honors

or

prior bachelor's degree, verified by transcript from US accredited institution

HO 150 Human Body Systems 1, or BI 231 Human Anatomy and Physiology 1

PSY 201 General Psychology, OR PSY 202 General Psychology, or PSY 215 Lifespan Developmental Psychology

Documentation of 16 clinical observation/experience hours with a PT or PTA on application

l	PT or PTA on application	
	First Year	Fall
	MTH 065 Elementary Algebra or higherPTA 100 Introduction to Physical Therapy	4 3
	PTA 101 Introduction to Clinical Practice 1PTA 101L Introduction to Clinical Practice 1 LabHO 152 Human Body Systems 2, or BI 233 Human	5 2
	Anatomy and Physiology 3	3 - 4
		Winter
	PTA 103L Introduction to Clinical Practice 2 Lab	2
	PTA 103 Introduction to Clinical Practice 2	5
	PTA 132L Applied Kinesiology 1 LabCOMM 115 Introduction to Intercultural Communication,	2
	or COMM 218 Interpersonal Communication PTA 132 Applied Kinesiology 1	4
	37	Spring
	PTA 104 PT Interventions-Orthopedic Dysfunctions	5
	PTA 104L PT Interventions-Orthopedic Dysfunctions Lab	2
	PTA 133L Applied Kinesiology 2 Lab	2
	COOP 206 Co-op Ed: Internship Seminar HE 262 First Aid 2: Beyond the Basics, OR AHA CPR Basic Life Support for healthcare providers	2
	and 3 credits PE, or 3 credits HEPTA 133 Applied Kinesiology 2	3 3
	Second Year	Fall
	PTA 280A Co-op Ed: First Clinical Internship	6
	PTA 204 PT Interventions - Neurological Dysfunctions PTA 204L PT Interventions - Neurological Dysfunctions	5
	Lab HIM 153 Introduction to Pharmacology	2 3
		Winter
	PTA 280B Co-op Ed: Second Clinical Internship	6
	PTA 201 Physical Therapy and the Older Adult PTA 205 PT Interventions - Complex Medical	2
	DysfunctionsPTA 205L PT Interventions - Complex Medical	4
	Disfunctions Lab	2
		Spring
	PTA 280C Co-op Ed: Third Clinical Internship	6
	PTA 203 Contemporary Topics in Physical Therapy PTA 200 Professionalism, Ethics, and Exam Preparation	2 4

# Public Health Education & Promotion Specialist

This program has been discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

#### **Health Educator**

This program has been discontinued. Students currently enrolled in the program should contact Academic Advising at 541.463.3800 for more information about completing core courses.

#### **Sustainability Coordinator**

Offered by the Institute for Sustainable Practices, 541.463.5569

**Associate of Applied Science Degree** 

**Program Coordinator** Luis Maggiori, Institute for Sustainable Practices, 541.463.5884

**Purpose** To prepare students for careers as sustainability coordinators, resource management technicians, corporate social responsibility coordinators, environmental specialists, recycling coordinators, pollution prevention specialists and energy or waste reduction analysts. Graduates may work for public agencies, school districts, colleges or universities, non-governmental organizations, nonprofit organizations, private businesses or corporations

**Learning Outcomes** The student who successfully completes all Sustainability Coordinator requirements will:

- demonstrate holistic understanding of interdisciplinary subjects related to sustainability including physical and biological sciences, social and behavioral sciences, economics, the regulatory environment, and business management.
- develop policies that support the triple bottom line of sustainability: healthy economy, healthy environment, and healthy communities.
- obtain information from public and research libraries, online sources, and regional, national, and international networks.
- demonstrate skills in data collection and analysis, statistical analysis, and basic mathematics.
- perform environmental audits, perform laboratory and field tests, conduct and coordinate research, and prepare written reports for internal and external stakeholders.
- demonstrate understanding of the causes and the ecological, social, and economic costs of challenges to sustainability including pollution, climate change, loss of biodiversity, water quality and supply, and human health.
- apply practical and technical strategies to objectives including
  pol- lution prevention, climate change reduction, energy conservation and use of alternative energy, efficient resource use,
  waste reduction and recycling, LEED and other green building
  tools, water conservation, stormwater and wastewater management, indoor air quality, transportation, closed loop production and life cycle analysis.
- articulate verbal and written understanding of laws and regulations related to sustainable environment, business and community.
- develop and implement action plans based on best practices; coordinate project management goals and tasks.
- conduct public relations and social marketing efforts; develop educational materials; and create community networks and resources to support sustainability practices in business and community.
- demonstrate the ability to organize events, meetings, workshops, conferences and fundraising.
- utilize collaborative team skills in the design and implementation of sustainable practices.

Admission Information To enroll in this major, log into myLane. Click on the myEnrollment tab, in the "Student Status" box, click "View/Change Your Current Major." Select "Associate of Applied Science "Sustainability Coordinator" from the drop down menu. For more information about the program, contact one of the co-coordinators "Susie Cousar, 541.463.5271, Margaret Robertson, 541.463.3143, Claudia Owen, 541.463.5052 " or one of the program advisors "Carolyn Litty, 541.463.5236, Claudia Riumallo, 541.463.5378.

Cooperative Education (Co-op) Co-op internship is a required and important part of the Sustainability Coordinator program. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Please contact the Cooperative Education Coordinator.

#### Job Openings Projected through 2020

Sustainability Coordinator is an emerging occupation fro which State of Oregon historical data are not yet available. Market surveys of regional and statewide employers indicate job growth is expected to increase. Local, State, or Federal regulations with regard to climate change, resource conservation, and mandatory energy reporting will affect these trends.

Based on Oregon Employment Department wage data for related occupations including environmental science technician, environmental engineering technician, environmental engineering technician, life-physical-social science technician, and public relations specialist predicted average wages: Statewide Hourly - \$20-\$23, Lane County Hourly \$15-\$23. Predicted entry-level wages are \$11-\$16 hourly.

**Costs** Estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.

Books	\$3,000
Resident Tuition and General Student Fees	\$10,200
Total Estimated Cost	\$13,200

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions
- All BI, DRF ECON, ENVS, IDS and PS courses must be completed with a letter grade of 'C-' or better
- All CG, MTH, WR, and BT must be completed with a 'C-' or better or Pass grade

First Year	Fall
ENSC 181 Terrestrial Environment	4
GS 104 Physical Science	4
HE 255 Global Health and Sustainability	4
WR121 Intro to Academic Composition	
WR 121 H Intro to Academic Composition or higher	4
	Winter
ENSC 183 Aquatic Environment	4
BT 120 MS WORD for Business	4
CH 104 Introduction to General Chemistry	5
CG 203 Human Relations at Work	3
	Spring
BI 103J General Biology: Forest Ecology	4
MTH 095 Intermediate Algebra	5
BI 103M General Biology: Biodiversity and	
Sustainability	4
Second Year	Fall
ENSC 182 Atmospheric Environment and Climate	
Change	4
BT 123 MS EXCEL for Business	4
WR 227 Technical Writing	4
MTH 105 Math in Society	4

	Winter
PS 297 Environmental Politics	4
ECON 250 Class, Race and Gender in the US Economy	4
CST 201 Sustainable Building Practices	3
WATR 202 Fostering Sustainable Practices	3
IDS 206S Co-op Ed: Sustainabilty Coordinator	
Seminar	1
	Spring
IDC 004 C	_
IDS 201 Sustainability Systems Seminar	3
DRF 211 Sustainable Building Systems	3 4
DRF 211 Sustainable Building Systems ECON 260 Introduction to Environmental and Natural	•
DRF 211 Sustainable Building Systems	•
DRF 211 Sustainable Building Systems ECON 260 Introduction to Environmental and Natural	4

#### **Water Conservation Technician**

Offered by the Sustainable Practices, 541,463,6160

#### **Associate of Applied Science Degree**

**Program Coordinator** Roger Ebbage, Downtown Campus 404, 541.463.6160, *ebbager@lanecc.edu* 

Purpose This degree prepares individuals to evaluate water patterns; develop, implement, market and maintain water conservation programs/ perform public outreach; recommend water efficiency techniques; integrate alternative water sources; and perform systems analysis to solve problems. The graduate will be trained to fill positions such as Water Conservation Program Specialist, Water Resource Specialist, Stormwater Technician, Stewardship Coordinator, Resource Coordinator and many more. Jobs are in the Federal, State, Local, Non-Government and Private Sectors in both profit and non-profit venues.

**Learning Outcomes** The student who successfully completes all Water Conservation Technician requirements will:

- evaluate indoor and outdoor water use patterns for rural, urban, residential and commercial sites.
- recommend water efficiency measures, wise water landscapes and efficient plumbing solutions.
- design, implement and evaluate and market water conservation programs to a broad audience.
- convey water conservation strategies to a broad audience using multiple communication methods.
- understand regional regulatory context and international code trends as they pertain to water conservation.
- develop basic knowledge of water resource economics and how economics relates to supply and demand.
- understand water distribution, flow and elimination systems; basic hydraulics; quality issues; balance and time of use.
- create technical reports and collect, interpret, display and explain data.
- perform systems analysis using water bills, meters and other evidence to solve problems.

Admission Information Roger Ebbage, Downtown Campus 404, 541.463.6160, ebbager@lanecc.edu

Advising and Counseling Roger Ebbage, Downtown Campus 404, 541.463.6160, ebbager@lanecc.edu

Cooperative Education (Co-op) Cooperative Education provides sustainability-related field experience to integrate theory and practice while developing skills and exploring career options. Students must complete a minimum of nine and a maximum of 18 Co-op credits. Please contact the Cooperative Education Coordinator

#### **Job Openings Projected through 2020**

The annual projected number of openings in Oregon is growing moderately and in the future will grow rapidly along with population growth and water shortage. In addition to openings

resulting from growth and awareness of water conservation needs, new positions are being created across the country, providing numerous job openings. Graduates must consider the entire nation and overseas for job placement as those that do will substantially enhance their opportunities.

In Oregon range from \$32,000 to \$48,500 annually plus benefits.

Costs (estimate based on 2017-18 tuition and fees. Consult Lane's website for updated tuition.) Water Conservation Technician course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Program Specific Fees	\$1,000
Resident Tuition and General Student Fees	\$9,816

Total Estimated Cost \$10.816

\*Course fees may change during the year. See the online credit class schedule for fees assigned to courses.

#### **Course Requirements**

- Prerequisites are required for some courses. See course descriptions.
- All WATR courses except WATR 102 require instructor permission.
- See catalog for Health/PE choices in AAS degree requirements.
- MTH 095 must be completed before entering the second year of the program.
- Directed electives, Writing, Health/PE and Human Relation classes can be taken any term.
- All courses must be taken for a letter grade except Human Relations, ENVS183, GIS 151, Health/PE, WATR 102, WATR 206, WATR 222, and WATR 280.
- WATR 280 Co-op Ed may be taken during summer term.

First Year BT 123 MS EXCEL for Business	<b>Fall</b> 4 4 2 4
WR 121 Academic Composition WR 121_H Academic Composition	4
	Winter
WATR 101 Introduction to Water Resources GIS 151 Digital Earth MTH 095 Intermediate Algebra Human Relations Requirement	3 4 5 3
·	Spring
WATR 105 Water Conservation: Residential	4
ENSC 183 Aquatic Environment	4
WATR 206 Co-op Ed: Water Conservation Seminar GIS 245 GIS 1	2 4
WST 205 Soils Fields Methods	2
PE/Health requirement	3
Second Year	Fall
WATR 150 Water Resource Economics	4
Commercial	4
WATR 261 Regional Water PolicyWR 227Technical Writing	3 4
Wh 227 lecimical writing	•
WATE COSE A STATE OF A	Winter
WATR 202 Fostering Sustainable Practices WATR 220 Water Conservation: Program Development	3 4
WATR 222 Stormwater Best Management Practices	4
WATR280 Co-op Ed: Water Conservation Technician	3
	Spring
WATR 215 Integrated Water Management	4
WATR 221 Water Mechanical SystemsWATR280 Co-op Ed: Water Conservation Technician	4 3

# Course Descriptions

To request this information in an alternate format please contact the Center for Accessible Resources at 541.463.5150 or accessibleresources@lanecc.edu.

#### Accounting

#### **Also see Computers: Software Applications**

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

BA 280AC Co-op Ed: Accounting .......3-12 credits Prerequisite: BT 206. In this internship course students will gain accounting-related work experience in area businesses and organizations. Students will integrate theory and practice, develop skills and expand career knowledge while earning credit toward a degree. Meet with Business Co-op Coordinator the term before starting your internship.

#### **Acting - See Theatre Arts**

#### Administrative Support

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

operating computers and prepare for entry-level computer courses. Focus is on student success.

#### BT 230 Sustainable Paperless Office Practices

#### BT 271 Administrative Office Professional

### Agriculture Equipment/Mechanics - See Diesel and Heavy Equipment

**Air Conditioning - See Automotive, Diesel** 

#### Anatomy/Physiology/Microbiology

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

#### Anthropology

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

#### **Apprenticeship**

For information about course content or other questions, visit *boli.state. or.us* and lanecc.edu/apprenticeship or call 541.463.5843.

 industry and the necessary skills required for selection into a specific trade career. Students will explore current trends in Apprenticeship and basic requirements to enter individual programs. Students will become familiar with licensing and certification in a chosen trade. General topics include: industry opportunities and basic concepts in basic safety, trade vocabulary, trade calculations, hand and power tool care and use, blueprint reading, rigging, and materials and handling, in addition to basic communication and employability skills. Note: This class may be taken to satisfy the ET 121 Shop Practices requirement in the Electronic Technology Program.

APR 117 Carpentry Framing and Introduction to Concrete.... 3 credits Designed for Oregon state-recognized apprentices employed in the carpentry trade. The curriculum is competency-based and modular in format. This course introduces students to framing roofs, windows and exterior doors, as well as an introduction to concrete.

APR 119 Carpentry Commercial Plans and Exterior Finish .... 3 credits Designed for Oregon state-recognized apprentices employed in the carpentry trade. The curriculum is competency-based and modular in format. This course introduces students to common materials used in residential and light commercial roofing. Application methods, commercial plans, insulation and vapor barrier materials and installation will also be covered, as well as exterior finish materials and application procedures

types used in finish work, layout and installation of basic stairs, as well as methods of proper cabinet installation.

APR 130 Electrical Principles ......5 credits Prerequisite of MTH 060 and 065 or MTH 070 within the past two years, or place at MTH 060 or higher on placement test through the Testing Office. Designed for Oregon state recognized apprentices employed in a trade or industry-related occupation. This course is the first term of the first year of general journeyman inside wire electrician program. Course content will include safety/electrical, electrical theory, Ohm's law, residential wiring, and introduction to the National Electrical Code.

APR 131 Electrical Principles/Residential Wiring......5 credits Designed for Oregon state-recognized apprentices employed in a trade or industry-related occupation. This course is the second term of the first year of general journeyman inside wire electrician program. Course content will cover basic AC theory, series/parallel circuits, mathematical formulas, conduit bending, use of test equipment, and applicable references to the National Electrical code.

Designed for Oregon state recognized apprentices employed in a trade or industry-related occupation. This course is the third term of the first year of general journeyman inside wire electrician program. This class is designed to cover hands-on demonstration and practicals of basic residential one- and two-family dwellings wiring techniques to include receptacles, services, lighting, wiring, conduit bending, structural wiring, and introduction to residential data communication systems.

#### APR 133 Electrical Generators, Transformers,

and Motors 1 ...... 5 credits Designed for Oregon state recognized apprentices employed in a trade or industry-related occupation. This course is the first term of the second year of general journeyman inside wire electrician program which includes technical knowledge of the skills required of an Inside Wire Electrician. General topics include safety/electrical, advanced electrical theory, electrical math, AC theory, motors, generators, and transformer theory, and 3-phase power, and commercial installations and calculations. All course content will include references to applicable NEC Articles.

#### **APR 134 Electrical Generators, Transformers**

and Motors 2 ...... 5 credits Designed for Oregon state recognized apprentices employed in a trade or industry-related occupation. This course is the second term of the second year of general journeyman inside wire electrician program. General topics include safety/electrical, hazardous locations, health care facilities, industrial and commercial wiring, and references to applicable NEC Articles.

#### APR 135 Electrical, Generators, Transformers,

and Motors Lab ......3 credits Designed for Oregon state recognized apprentices employed in a trade or industry-related occupation. This course is the third term of the second year of general journeyman inside wire electrician program. Course will include hands-on experience in basic wiring of transformers and motors to include identification of motor component leads. Course activities build on those learned in prior courses and enable students to build their skills before being introduced to process control and automation and motor controls.

APR 140 Electrical Systems Installation Methods ...... 4 credits Designed for Oregon state-recognized apprentices employed in a trade or industry-related occupation. This course explores construction materials and methods used in the installation of limited electrical systems along with the NEC codes that regulate installation. Students will learn a knowledge base consisting of the basic theory, vocabulary and safety practices common to limited electrical installations.

APR 141 Limited Voltage Electrical Circuits ...... 4 credits Designed for Oregon state-recognized apprentices employed in a trade or industry-related occupation. This course explores the basic laws of electrical theory and the safety practices employed in the limited electrical field. Power quality, trade repairs and installations, and blueprint reading will be reviewed along with the NEC codes that regulate the trade. Students learn a knowledge base consisting of the basic theory, vocabulary and safety practices common to limited energy installations.

APR 142 Devices, Testing Equipment and Code ....... 4 credits Designed for Oregon state-recognized apprentices employed in a trade or industry-related occupation. This course focuses on switching devices, wire and cable terminations, and advanced testing equipment used in electronic and information technology disciplines. Emphasis is placed on developing troubleshooting skills and interpreting the National Electrical Code as it applies to installations and maintenance of low voltage systems. Students will gain knowledge of the basic theory, vocabulary and safety practices used in hook ups, testing, computer applications and specialized test equipment common to the Limited Energy Technician trades.

APR 143 Limited Voltage Cabling ....... 4 credits Designed for Oregon state-recognized apprentices employed in a trade or industry-related occupation. This course explores cable selection buses, network systems and fiber optic communications. An emphasis is placed on connections as used in various video and control systems. Students will gain knowledge of the basic theory, vocabulary and safety practices common to communication and control systems.

APR 144 Communications ...... 4 credits Designed for Oregon state-recognized apprentices employed in a trade or industry related occupation. This course explores wireless communications, as well as site survey and project planning. An emphasis is placed on the operations and principles involved in troubleshooting and the skills necessary to perform as a successful crew leader. Students will learn basic theory, vocabulary and safety practices common to maintenance and repair, wireless communications and project planning

APR 150 The Millwright and Shop Safety ...... 5 credits Prerequisite: Minimum reading score of 68. Within the past four terms, completed MTH020 or higher with a grade of "C-" or better or placed into MTH 075 through the Testing Office. Designed for Oregon state-recognized apprentices employed in the millwright industry. This course provides an overview of workplace practices and how to succeed on the job. Course content will include: communication and leadership skills; employee attitudes and safety awareness; personal safety procedures; workplace safety; tools for the job; basic rigging practices; and the wellness of the Millwright.

#### APR 151 Millwright Machine Theory and

Prerequisite: Minimum reading score of 68. Within the past four terms, completed MTH020 or higher with a grade of "C-" or better or placed into MTH 075 through the Testing Office. Designed for Oregon state-recognized apprentices employed in the millwright trade. Students will learn trade calculations as they pertain to the millwright industry. This course will provide students with handson experience using Mic's, calipers and various precision measuring equipment. Students will gain knowledge in the use of metal lathes, milling equipment, boring, keyway cutting, and other facets of machine work.

#### **APR 152 Millwright: Power Transmissions**

and Boilers-Steam ...... 5 credits Prerequisite: Minimum reading score of 68. Within the past four terms, completed MTH020 or higher with a grade of "C-" or better or placed into MTH 075 through the Testing Office. Designed for Oregon state-recognized apprentices employed in the millwright industry. Course will provide students with an understanding of mechanical power train functions and what makes a mill operational such as: drives, clutches, brakes, and couplers (their functions, applications, and advantages/disadvantages). Students will learn all steam functions and the precautions necessary to be aware of during installations and repairs; the differences in fire tube and water tube systems; and all associated traps, valves, pumps, and reliefs. Discussions will include how they function and what can be serviced by Millwrights and what the requirements are for a steam specialist.

APR 160 Plumbing Skill Fundamentals......4 credits Designed for Oregon state-registered apprentices employed in the plumbing trade. This course provides an introduction to the necessary skills required for the plumbing trade. Students will learn an overview of the plumbing trade and become familiar with employer expectations. General topics include: basic concepts in safety in the workplace, trade vocabulary, trade math-basic offsets, common tools and materials, plumbing drawings, and introductory overview of the Uniform Plumbing Code (UPC) with Oregon Amendments; administration, definitions and general regulations.

APR 161 Plumbing Materials and Fixtures ...... 4 credits Designed for Oregon state-registered apprentices employed in the plumbing trade. Introduces student to different types of pipe and

fittings used in plumbing applications and reviews applicable safety and code requirements. Students will learn piping system components and the various connection and installation options. Course includes the proper applications of code-approved fixtures and faucets in plumbing installations. Math and science principles in completion of plumbing tasks will be included along with an introduction to tables in the Uniform Plumbing Code.

APR 170 Introduction to Sheet Metal Apprenticeship.............4 credits Designed for Oregon state-recognized apprentices employed in the sheet metal trade. The course content will include introduction to the sheet metal trade, trade terminology, safe working habits, and basic tools and equipment for forming and installing sheet metal air ducting. Students will obtain a basic understanding of duct layout principles.

APR 187 Fundamentals of Metallurgy.......1-3 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. Physical, chemical and mechanical nature of carbon and alloy steels. Includes study of the purpose and practice of various thermal treatments and cold working processes common to metal using industries.

#### APR 204 Carpentry Advanced Layout

#### **APR 205 Carpentry Advanced Planning**

#### **APR 220 Electrical Apprenticeship Code**

#### **APR 226 Electrical Grounding/Bonding**

 trade or industry-related occupation. This course explores the theory and safety practices employed in audio and intrusion detection systems along with the NEC codes that regulate their use and installation. Students learn basic theory, vocabulary and safety practices common to alarm systems.

#### APR 250 Millwright: Industrial Print Reading,

gas and electric water heaters will also be explored in this third year course. General topics include: safety in the workplace, trade mathbasic offsets, plumbing tools, code definitions, and hands-on troubleshooting with plumbing. This course will also cover an overview of the Uniform Plumbing Code (UPC) with Oregon Amendments; administration, definitions and general regulations.

APR 263 Plumbing Code and Test Preparation......2-4 credits Designed for Oregon state-recognized apprentices employed in the plumbing trade. This course is a comprehensive review of the Uniform Plumbing Code and theory of plumbing to prepare students for the Oregon Building Codes Journey level Plumbing exam.

APR 271 Sheet Metal Building Codes and Installation ...............4 credits Designed for Oregon state-recognized apprentices employed in the sheet metal trade. This course is an overview of the mechanical codes as related to the HVAC industry in commercial and residential applications. In addition, installation manuals will be explored as to proper installation and usage of HVAC equipment.

 prime movers and the circuit elements used in their controls. The course progresses from electrical safety to electrical symbols and diagrams to control logic and devices. The focus will be on the operation, servicing, and troubleshooting of electromechanical systems beyond their initial design. Special emphasis is placed on the development of troubleshooting skills throughout the course.

#### **Architecture - See Drafting**

#### **Art History**

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541,463,5409.

#### ARH 203 Survey of American Indian Art

#### Art, Studio

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101,541.463.5409.

perceptions of the artistic process and drawing practice and theory within historical and cultural contexts. This course is recommended before taking any 200 level painting or printmaking course. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

#### ART 255 Alchemy of Ceramics: Materiality,

ART 270 Printmaking: Traditional and Digital Etching..............3 credits A beginning level course in non-toxic intaglio printmaking involving etching and printing using copper plates as the matrix. Traditional processes such as line etch, aquatint, drypoint, and engraving as well as digital photo etching processes will be explored. Students will design and create original editioned prints and learn perceptual skills, compositional development, and basic thematic awareness. Coursework will demonstrate critical and creative thinking, the knowledge of technical intaglio printmaking and the history and aesthetics of the medium. Recommended for Art and Applied Design majors as well as non-majors. May be repeated for up to 9 total credits.

#### **ART 273 Printmaking: Intermediate Traditional**

#### **ART 274 Printmaking: Intermediate Woodcut**

experimental techniques using water-based and textile inks and emphasizes skill development, personal image making, and the creation and applications of editioned prints. Students explore established and contemporary issues in screen printing. The objective of this course is to provide students with a strong foundation in this medium. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

A beginning course for students without prior training in sculpture. Explores fundamentals of sculptural processes and their aesthetic and theoretical considerations. Emphasizes development of handeye-mind coordination skills, understanding space and form, and the techniques of tool usage. Students complete a project in each basic process. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 277 Sculpture: Welding......3 credits An intermediate-level sculpture class emphasizing the process of metal welding fabrication. This course focuses on the techniques of oxy-acetylene welding, shielded metal arc welding, and gas metal arc welding, as well as the aesthetics of fabricated metal sculpture. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

A beginning-level course designed to strengthen and develop the student's initial capability in sculpture. Specific emphasis is on exploring wood construction and carving techniques, and their application in making sculpture. Recommended prerequisite: ART 276 or ART 117. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 280A Co-op Ed: Art and Applied Design ......3-12 credits This course offers career-related work experience in community businesses and organizations. Students integrate theory and practice gleaned in the classroom with practical experience in the professional world. Contact the art co-op coordinator before registering. Course content and expected learning proficiencies vary term to term. Course may be repeated.

ART 281 Painting: Introduction ....... 3 credits Fundamental course in painting media (acrylic). Emphasis on basic concepts of painting and developing skills in perception, representation, composition, color, and use of traditional painting materials. Student will create and analyze projects that demonstrate critical and creative thinking. Individual and group critiques, discussions and presentations will expand the students' perceptions of the artistic process and painting practice and theory within historical and cultural contexts. May be repeated up to 9 total credits.

Prerequisite: ART 281. An intermediate-level course in oil painting. Course further expands the student's knowledge of composition and technique. A series of structured exercises are introduced to develop personal expression. Subject matter may emphasize figure or landscape. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 285 Advanced Screen Printing......3 credits Prerequisite: ART 275. Advanced and contemporary screen-printing techniques and theory. The curriculum builds on basic skills by focusing on the continued and enhanced development of traditional and progressive techniques. Students will study application of waterbased inks and fabric dyes, emphasizing the development of both skill and personal image making. This course also introduces applied computer and modern technology in screen-printing. The objective of this course is to provide students with the opportunity to develop and enhance a comprehensive foundation in the medium. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 286 Sculpting for Animators ....... 3 credits This course will introduce students to a broad range of sculpting techniques necessary to design and animate their own characters. By utilizing traditional modeling and casting techniques combined with the latest digital printing and scanning technologies, students will get hands on experience in the processes used in today's animation and gaming industries. May be repeated up to 3 total credits.

ART 291 Sculpture: Metal Casting....... 5 credits Designed for students with prior sculpture training who desire to learn the method and theory of the lost-wax foundry casting process. Students will gain the experience of using wax as the direct

sculptural medium, preparing the sculpture for casting, and the foundry processes of burnout, melting, and pouring. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 292 Design Art for Public Places ...... 4 credits Prerequisite: ART 115 Students will learn the politics, methods and execution of public art. They will examine case studies of the interface of art and the public, from an historical as well as an aesthetic and socio-political perspective, as well as work on a design project for a pre-determined public space.

ART 293 Sculpture: Figure ....... 3 credits Intensive study of the human figure in three dimensions using live models. Emphasis on the study and theory of anatomy, proportion, and gesture. Projects are developed from modeled clay over wire armatures and may be completed in fired terra cotta. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 294 Watercolor: Introduction ....... 3 credits Prerequisite: ART 131, drawing experience, or instructor consent. A beginning course in watercolor for art and non-art majors. Emphasis on introducing and understanding the watercolor medium, basic color theory, and compositional development. Students create and analyze projects that demonstrate critical and creative thinking and knowledge of watercolor media, history, and practice. May be repeated up to 9 total credits.

ART 295 Watercolor: Intermediate ......3 credits Prerequisite: Art 294, previous college watercolor class, or intructor consent. An intermediate level course in watercolor for art and nonart majors. Emphasis on further development and exploration of technical watercolor skills, concept, composition development and critical analysis. Students create and analyze projects that demonstrate critical and creative thinking, knowledge of watercolor media, history, and practice, and which demonstrate individual exploration of process and content. May be repeated up to 9 total credits. 3.000 Credit hours

ART 296 Mural Painting Class ......4 credits Prerequisites: ART 115 and ART 116 Students will learn hands-on about the execution of a mural, either indoor or outdoor, depending upon available client and space, by painting a mural with the instructor. Location will be determined by available space and client and agreed upon by both the college and any community partners involved.

#### **Astronomy - See Physics**

#### **Audio - See Media Arts**

#### **Automotive**

For information, contact the Advanced Technology Division, Bldg. 15/Rm. 201, 541.463.5380. You must be accepted into the Automotive program to take these classes.

AM 143 Brakes ......1-8 credits Braking systems found on passenger cars and light trucks. Design, function, diagnostic and repair procedures, including theory and laboratory experience in brake system fundamentals, brake safety, master cylinders, power-assist units, hydraulic lines and valves, disc brakes, drum brakes, antilock braking systems, parking brakes, and brake electrical and electronic components.

AM 145 Engine Repair ......1-12 credits Engines found in passenger cars and light trucks. Design, function, diagnostic and repair procedures for cylinder heads, engine blocks and internal parts, lubrication and cooling systems, gaskets and seals, and measurement and machining procedures commonly performed in repair shops.

AM 147 Suspension and Steering ......1-6 credits Design, function, diagnosis, repair and replacement of steering and suspension components used in passenger cars and light trucks including wheel balancing, front-end alignment, and shock absorber

AM 149 Manual Drive Trains and Axles ......1-6 credits Manual transmissions and transaxles and other drive train components. Included are design, function, diagnosis, service and overhaul procedures for manual transmissions, differentials, clutches, drive

shafts and axles. Also covered are four wheel drive and all wheel drive components.

AM 242 Automatic Transmissions/ Transaxles.......1-12 credits Automatic transmissions and transaxles used in passenger cars and light trucks. Design, function, diagnosis, service and overhaul procedures, principles of hydraulics as applied to automatic transmissions, planetary gear theory and principles, torque converter design and function, and basic electronic controls.

AM 246 Heating and Air Conditioning .......1-4 credits Automotive heating and air conditioning systems. Theories and principles used to operate, diagnose, test, and repair systems. Included: temperature and pressure fundamentals; the refrigeration system; system components; compressors and clutches; system servicing, testing, and diagnosing; case and duct systems; retrofit CFC-12 to HFC-134a; system controls; and engine cooling and comfort heating systems.

#### **Aviation Maintenance**

#### Also see Flight

For information, contact Lane Aviation Academy, Airport Road, 541.463.4195. You must be accepted into the Aviation Maintenance program to take these classes.

 and engine fire protection systems, aircraft and engine instrument systems, and weight and balance. Technical information and laboratory projects to apply and understand theories, principles, and concepts.

#### Biology

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

protein synthesis. Includes influences of physical, chemical, and geological oceanography on ocean life.

**BI 102I General Biology-Human Biology......**4 credits Students learn human body systems, including circulatory, respiratory, urinary, reproductive, nervous, muscular, skeletal, lymphatic, digestive, and endocrine systems. May be offered online.

BI 102\_H General Biology: Genetics and Society-Honors......4 credits This honors class delves deeper into course topics and requires a high level of student motivation; the pace may be faster than non-honors courses. WR 121-readiness (score of at least 96 on the sentence-skills placement test) recommended. See *lanecc.edu/honors* for information. Students learn human body systems with an emphasis on genetic inheritance patterns, genetic conditions and the systems they affect. Course integrates current issues in genetics and their impact on ethics and values; labs feature problem solving, critical thinking. This course also meets Lane Degree requirements that are fullfilled by the same course number without the H.

#### BI 103M General Biology: Biodiversity

and group projects. Includes current issues such as human impacts on the natural world.

#### **Botany - See Biology**

**Broadcasting - See Media Arts** 

#### **Business**

#### Also see Accounting, Administrative Assistant, Computers

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

others will be explored through readings, activities, and discussions.

BA 280 Co-op Ed: Business Management .......3-12 credits Prerequisite: BT 206. In this internship course students will gain work experience in area businesses related to supervision, management, and business operations. Students will integrate theory and practice, develop skills, and expand career knowledge while earning credit toward a degree. Meet with Business Co-op Coordinator the term

before starting your internship.

BA 280CS Co-op Ed: Customer Service ......3-12 credits Completion of BT 206 is highly recommended. In this internship course students will gain customer service work experience in area businesses and organizations. Students will integrate theory and practice, develop skills and expand career knowledge while earning college credit. Meet with Business Co-op Coordinator the term before starting your internship.

**CAD, CADD - See Drafting** 

CAM - See Manufacturing

**CNC - See Manufacturing** 

#### **Career Development**

For information, contact the Counseling Department, Bldg. 1/103, 541.463.5299.

research majors and career fields; and create a vision and next steps for your future.

#### Chemistry

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

#### CH 106 Introduction to Organic and

CH 280 Co-op Ed: Physics-Chemistry ......3-12 credits This internship course offers a work experience that integrates theory and practice in the fields of physics or chemistry. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit.

#### **Child Development - See Early Childhood Education**

College Preparation - See Study Skills and College Prep

#### College Success

For Information, contact the Counseling Department, Bldg. 1/Rm. 103, 541.463.5299.

#### Communication

For information, contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

 presentations on a number of diverse topics for use on a variety of occasions. This course provides students with opportunities to learn how to analyze an audience and tailor their messages to that audience. In addition, students will learn to become critical listeners by analyzing and critiquing other students' presentations.

#### COMM 115 Introduction to Intercultural

#### **COMM 130 Business and Professional**

all careers especially teaching, sales, law, management, public service, journalism, marketing, and public relations.

#### **Computer Hardware Repair - See Electronics**

## Computers: Introduction/Information Systems/Computer Science

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, (541) 463-5221.

#### CIS 140W Introduction to Operating Systems:

 hands-on experience using and configuring Windows. Covered topics include: user interfaces, accounts, processes and scheduling memory, file systems and file permissions, multimedia codecs, networking, and basic security.

CS 120 Concepts of Computing: Information Processing ...... 4 credits This course provides a wide range of topics in the Computer InformationTechnology field: including the basics of computer hardware and software, operating systems, word processing, spreadsheets, database management, network and internet communications, security, and the impact of information technology on individuals and society. NOTE: For the Associate of Arts Oregon Transfer degree (AAOT), CS 120 is now counted as an open elective. Offered as hybrid and online.

fundamental programming concepts and skills as well as the syntax and semantics of the Python programming language.

#### CS 206 Co-op Ed: Computer Information

#### **CS 235AM Intermediate Mobile Application**

#### **CS 235IM Introduction to Mobile Applications**

CS 240U Advanced Unix/Linux: Server Management............4 credits Prerequisite: CIS 140U and CS 179, or instructor consent. Covers network administration of Unix/Linux. Topics: Operating system installation, configuration, troubleshooting, and network server configuration (for example: DHCP, DNS, NFS, Samba, Apache, databases, and security). The course has a hands-on focus.

CS 240W Advanced Windows: Server Management.................4 credits Prerequisite: CIS140W or CS 179 or instructor consent. This course covers advanced Windows Server operating system and networking concepts. Topics covered include: installation, configuration, virtualization, Active Directory, scripts, DNS, file systems, group policy, networking, web servers, and DHCP. May be offered online.

#### CS 273 Introduction to Virtualization and

CS 280CN Co-op Ed: Computer Network Operations.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of computer networking. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

#### CS 280GD Co-op Ed: Computer Simulation and

CS 280HI Coop Ed: Health Informatics......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of health informatics. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

CS 280IS Co-op Ed: Computer Information Systems.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of computer information systems. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

**CS 280PR Co-op Ed: Computer Programming**.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of computer programming. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

 environment. This course introduces students to server side web programming concepts as well as the ASP.NET framework.

#### HI 209 Networking, Interoperability and

#### **Computers: Keyboarding**

For information about classes with course numbers that begin with:

BT - Contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

SKD - Contact Academic Learning Skills, Center Bldg./Rm. 218, 541.463.5439.

#### **Computers: Software Application**

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

#### Construction

For information, contact the AdvancedTechnology Division, Bldg. 15/Rm. 201, 541.463.5380.

 construction industry. Material will be presented covering the work in the construction field and professional opportunities open to construction graduates.

#### **Cooperative Education/Internships**

For information, contact the Cooperative Education Division, Bldg. 19/Rm. 265, 541.463.5203.

COOP 280 Co-op Ed......1-2 credits See department for topics.

COOP 280SL Co-op Ed: Service Learning1-12 credits
Gain work experience with community partners in addressing real
community needs. Through this internship students practice critical
thinking, citizenship and civic responsibility, develop skills, explore
career options, and network with professionals while earning col-
lege credit. Students set learning objectives and engage in faculty-
led guided reflection activities.

COOP 280SV Service Learning: Food for All .......1-3 credits Work with community partners addressing hunger and the need for food by people in Lane County. Through this internship students practice critical thinking, citizenship and civic responsibility, develop skills, explore career options, and network with professionals while earning college credit. Students set learning objectives. (This course may be part of the "What the World Eats" learning community.)

	J	
CS 206 Co-op Ed: Computer Information		
Technology SeminarCS 280CN Co-op Ed: Computer Network	See page 16	5
CS 280CN Co-op Ed: Computer Network		
Operations	. See page 16	5
CS 280GD Co-op Ed: Computer Simulation and	_	
Game Development		
CS 280HI Coop Ed: Health Informatics	. See page 16	6
CS 280IS Co-op Ed. Computer Information Systems		
CS 280PR Co-op Ed: Computer Programming		
CST 280 Co-op Ed: Construction	. See page 16	7
DA 206 Co-op Ed: Dental Assisting Seminar	. See page 17	1
DA 280 Co-op Ed: Dental Assisting	See page 17	1
DH 280 Co-op Ed: Dental Hygiene	. See page 17	3
DRF 206 Co-op Ed: Drafting Seminar	See page 17	4
DS 280 Co-op Ed: Diesel	See page 17	4
ED 280 Co-op Ed: Education	. See page 17	7
ED 280EC Co-op Ed: Early Childhood Education	. See page 17	7
EMT 280P1 Co-op Ed: EMT Internship Part 1		
EMT 280P2 Co-op Ed: EMT Internship Part 2	See page 17	9
ENGR 280 Co-op Ed: Engineering	See page 18	0
ENGR 280D Co-op Ed: Drafting	.See page 17	4
ENGR 280M Co-op Ed: Manufacturing Technology	See page 19	8
ENGR 280W Co-op Ed: Welding	See page 18	1
FL 280IW Co-op Ed: International Work Experience		
FT 280 Co-op Ed: Flight Tech	See page 18	5
G 280 Co-op Ed: Geology	See page 17	6
G 280ES Co-op Ed: Environmental Science	See page 17	6
GIS 280 Co-op Ed: Geographic Information Science	See page 18	6
HE 280 Co-op Ed: Health Occupations		
HE 280PH Co-op Ed: Public Health	See page 21	3
HIM 206 Co-op Ed: Employment in Healthcare:		_
HIM Seminar	See page 18	8
HIM 280 Co-op Ed: Health Information Management	See page 18	8
HRTM 280 Co-op Ed: Hospitality Management	See page 19	0
HS 280 Cooperative Education: Human Services	See page 19	2
IDS 280S Co-op Ed: Sustainability Coordinator	See page 22	პ
J 280 Co-op Ed: Journalism	.See page 19	2
MA 206 Co-op Ed: Medical Assistant Seminar	See page 20	0
MA 280 Co-op Ed: Medical Assistant	See page 20	р
MDP 280 Co-op Ed: MultimediaMTH 280 Co-op Ed: Mathematics	See page 20:	ວ
MUL 200 Co. on Ed. Web Docine	See page 20	S
MUL 280 Co-op Ed: Web Design MUS 280 Co-op Ed: Music	See page 20	o o
NRG 206 Co-op Ed: Energy Management Seminar	See page 20	D D
NRG 280 Co-op Ed: Energy Management Seminar	See page 10	0
NRS 280 Co-op Ed: Energy ManagementNRS 280 Co-op Ed: Nursing	See page 18	2
PE 280C Co-op Ed: Coaching	See page 21	1
PE 280F Co-op Ed: Coaching PE 280F Co-op Ed: Fitness	See page 10	1
PS 280 Co-op Ed: Political Science	See page 10	9
PS 280LW Co-op Ed: Pre Law		
PSY 280 Co-op Ed: Psychology	See nage 27	n
PTA 280 Co-op Ed: Clinical Internship	See nage 21	8
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SLD 280 Co-op Ed: ASLCC	See page 221
SOC 280 Co-op Ed: Sociology	See page 221
TA 280 Co-op Ed: Performing Arts	See page 223
WATR 206 Co-op Ed: Water Conservation Seminar	See page 223
WATR 280 Co-op Ed: Water Conservation Technician	See page 223
WST 280 Co-op Ed: Watershed Science Technician	

#### Criminal Justice

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

correction officers, in one-to-one contacts with clients. To prepare the student for practice in the public safety fields, for both juvenile and adult clients

CJA 280 Co-op Ed: Criminal Justice .......3-12 credits Prerequisite: CJ 100 and CJ 110 or instructor permission. This course provides the student with criminal justice-related work experience in public safety agencies and related community organizations. The student will have the opportunity to integrate theory with practical experience in the professional world. In this course a student may develop skills, explore career options, and network with professionals and employers while earning credit toward a degree.

#### **Culinary Arts**

For information, contact the Culinary Arts and Hospitality Management Department, Bldg. 19/Rm. 202, 541.463.3503.

**CA 110 Culinary Adventuring: Local Guest Chef Series........** 2 credits Open to the Public. It is designed to offer students cooking instruction by well known and respected local chefs and food purveyors through lecture, demonstration, hands-on experiences and tastings.

#### CA 120 Culinary Adventuring: Seasonal Baking

**CA 121 Culinary Adventuring: The Composition of Cake......** 2 credits Prerequisite: CPC/CAHM Majors only. This course is designed to teach classical techniques of baking and decorating cake production. All components of making and decorating cakes will be covered. Students will also be introduced to working with specialty cake ingredients.

#### CA 123 Culinary Adventuring: International

#### Dance

For information, contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.5209.

proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

This course explores the Pilates Method of body conditioning, a unique system of stretching and strengthening exercises. Students gain strength, flexibility, and balance through specific exercises, which emphasize uniting the body and mind. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits. Class will focus on either mat work or barre. See schedule notes.

Prerequisite: D 257. Composition techniques are learned and applied with specific emphasis on form, quality, spatial relationships, and rhythmic manipulation. This is a required course for dance majors. and meets the Arts and Letters requirement for the AAOT degree. Students in this course may present their work in the annual production of "The Works" Student Dance Concert. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits. Offered winter term only.

D 161 Strength, Stretch and Tone: Gyro......2 credits Gyrokinesis (Gyro) exercises work the entire body through use of fluid spinal movement. Joints and muscles gently work through rhythmic spiraling and undulating movements, which invigorate the body. Gyro uses smooth, connected, fluid postures to unite movement and breath. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 172 Dancing the Fluid Body ......2 credits This course explores the concepts of Continuum Movement through specific breath and sound techniques, wave motion, and spiral movements varying from subtle micro-movements to dynamic full-bodied expression. Discussions of the body in relation to culture, anatomy, and ecology are springboards for movement explorations. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 175 Tap Dance Beginning.....2 credits This course covers the basics of rhythm, including tempo, beat, meter, accent, syncopation, and musical structures of beginning Tap. Improvisational skills are developed as students integrate their understanding of tap with a sense of musicality and performance. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 176 Fluid Yoga.....2 credits This course explores traditional yoga postures and practices with emphasis on breath and fluidity. Students develop a yoga practice that encourages creativity, exploration, and expression. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 177 Modern Dance 1 ......2 credits For dancers with little or no previous dance experience, this beginning level class accommodates the pre-major and non-major student. Modern dance technique is introduced with focus on three-dimensional use of the spine and torso, joint articulation and mobility, core strength, expressivity and spatial awareness. Given realistic progressive development, students will advance to Modern 2 after one term. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 178 Modern Dance 2 ...... 2 credits This intermediate level class accommodates the pre-major and non-major student. Students further develop their awareness of modern dance technique and vocabulary. Training continues with movements that incorporate: three-dimensional use of the spine and torso, joint articulation and mobility, core strength, expressivity and spatial awareness. Given realistic progressive development, students will repeat this level for a full year. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

This intermediate-advanced level class accommodates the dancemajor and non-major student. Modern dance technique is presented with more complex movement phrases that incorporate three-dimensional use of the spine and torso, joint articulation and mobility, core strength, expressivity and spatial awareness. Students at this level are encouraged to explore their artistry and personal expressivity. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits

D 183 Meditation in Motion......2 credits This course explores awareness of movement, breath, and alignment from a variety of practices and modalities. Students develop ease, flexibility, and mental clarity while calming the nervous system and de-stressing. Contents and expected learning proficiencies of this course may vary from term-to-term. May be repeated up to 12 credits.

**D 184 Hip Hop 1**......2 credits This introductory course explores Hip-Hop dance vocabulary and style. Students learn isolations, rhythmic patterns, and dance combinations. Students should be in good condition without chronic injuries. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

For dancers with little or no previous dance experience, this beginning level course accommodates the pre-major and non-major student. This course presents the fundamental principles and vocabulary of classical ballet with focus on correct body alignment and musicality. Given realistic progressive development, students repeat this level twice before advancing to Ballet 2. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

This intermediate level course accommodates the pre-major and non-major student. This course develops the student's alignment. coordination and musicality. Students are introduced to more challenging center floor phrases, adagios, petit allegros and grande allegros. Given realistic progressive development, students repeat this level three times before advancing to Ballet 3. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

This intermediate-advanced level class accommodates the dance major and non-major student. Focus is on technical execution, musicality, and line. Class work builds on the student's ballet vocabulary through more advanced center floor phrases, adagios, petit allegros and grande allegros. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

D 188 Jazz Dance 1 ......2 credits This beginning level class accommodates the pre-major and nonmajor student. Jazz movements are introduced which incorporate isolations, spatial awareness, and rhythmic variations. Students are encouraged to take ballet and modern to augment their jazz training. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

This beginning-intermediate level class accommodates the premajor and non-major student. Training continues with jazz movements that incorporate syncopation of body parts, dynamics, and spatial and rhythmic variations. Students are encouraged to take ballet and modern to augment their jazz training. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

**D 194 Hip Hop 2**......2 credits This intermediate level course explores Hip-Hop dance vocabulary and style. With emphasis on athleticism in dance, isolations, intricate rhythmic patterns, and complex dance combinations, students are expected to be in good condition free of chronic injuries. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

Prerequisite: Intermediate Ballet. Pointe focuses on building strength, coordination, and stability en pointe. Work at the barre includes leve, releve, and bouree. Center work includes some pointe work, and variations where students work in soft ballet shoes. This Pointe class focuses on the ability to articulate quarter, half, threequarter and full pointe; cleanly execute 5th position, and consistent control of turn out. Students attending this beginning through intermediate course must be at an intermediate level in Ballet, and be taking a regular Ballet class concurrently with Pointe. May be repeated for up to 12 credits.,

#### **Dental Assisting**

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Dental Assisting program to take these classes.

 of plaque-related diseases, fluoride therapy, brushing and flossing techniques. May be taught online.

to take notes from lectures and textbooks, use their preferred learning styles, study for tests, improve memory, read and study from textbooks, manage time effectively, use the library, and make visual study tools. Course work requires college-level reading skills.

#### **Dental Hygiene**

For information, contact the Health Professions Division, Bldg. 4/Rm. 222. 541.463.5617. You must be accepted into the Dental Hygiene program to take these classes.

DH 107 Dental Infection Control and Safety...... 1 credits Prerequisites: Instructor Permission Introduction to the chain of infection, infectious and plaque associated diseases affecting the dental office environment and protection of the health care worker. Topics include bloodborne pathogens, federal regulations, dental office clinical asepsis protocol, LCC Exposure Control Program, management of waste, office safety programs, chemical and emergency plans. Competency in Infection Control protocols are evaluated during laboratory sessions. May be offered online.

DH 113 Dental Anatomy and Histology ......2 credits Prerequisite: Admission to the DH Program or consent of instructor The study of dental histology and morphology of the teeth and surrounding soft tissues. May be offered online.

DH 118A Clinical Dental Hygiene 1......4 credits Prerequisites: Enrolled dental hygiene program or instructor consent. Co-requisites: DH118A and DH118B taken together and require simultaneous registration, introduction to basic instrumentation, assessment procedures, and clinical protocol for dental hygiene care. May be offered online.

DH 118B Clinical Dental Hygiene 1 Lab......2 credits Clinical lab required for DH 118A.

DH 119A Clinical Dental Hygiene 2......3 credits Prerequisites: Admission to program or instructor consent. Co-requisites: DH119A and DH119B are taken together and require simultaneous registration. Continuation of preclinical skills in instrumentation, evaluation of clients, treatment planning and client education. Didactic, laboratory and clinical instruction, with emphasis on removal of deposits, preparation for clients and the application of preventive dental procedures. Client care begins with the child, adolescent and adult patient with limited periodontal needs. May be offered online.

DH 119B Clinical Dental Hygiene 2 Lab......4 credits Clinical lab required for DH 119A.

DH 120A Clinical Dental Hygiene 3:Lecture/seminar ...... 3 credits Prerequisites: Admission to DH Program or instructor consent. Corequisites: DH120A and DH120B are taken together and require simultaneous registration. Lecture, instructional lab and clinical course focusing upon the dental hygiene process of care, advanced instrumentation techniques and treatment of the slight to moderate periodontal patient. May be offered online.

DH 120B Clinical Dental Hygiene 3 Clinic Lab ......4 credits Clinical lab required for DH 120A.

DH 132 Dental Materials for the Dental Hygienist......2 credits Prerequisites: Enrolled in DH Program or Instructor Permission. Composition, properties and manipulation of dental materials. Laboratory and clinical experience with dental materials. May be offered

DH 139 Special Needs Patient and Dental Emergencies ....... 2 credits Prerequisite: Enrolled in D H Program/Instructor Permission. Knowledge and skill development in assessment, diagnosis, planning and treatment of dental patients with developmental disabilities, complex medical problems and significant physical limitations. Development of critcal thinking and problem solving skills in the care of patients with special needs, prevention of emergencies and selection of treatment. May be offered online.

DH 220A Clinical Dental Hygiene 4-Lecture/seminar ...... 2 credits Prerequisites: Admission to DH Program or Permission of Instructor Co-requisites: DH220A and DH220B are taken together and require simultaneous registration Lecture, instructional lab and clinical course focusing upon the dental hygiene process of care, advanced instrumentation techniques and treatment of the moderate to advanced periodontal patient. May be offered online.

DH 220B Clinical Dental Hygiene 4 Lab......5 credits Clinical lab required for DH 220A.

DH 221A Clinical Dental Hygiene 5 ...... 2 credits Prerequisites: Admission in DH Program or instructor permission Co-requisites: DH221A and DH221B are taken together and require simultaneous registration Lecture, instructional lab and clinical course focusing on continuation of the theory and practice of the dental hygiene process of care, including advanced instructional theory and practice in therapeutic interventions for comprehensive dental hygiene care. May be offered online.

DH 221B Clinical Dental Hygiene 5 Lab......6 credits Clinical Lab required for DH 221A.

DH 222A Clinical Dental Hygiene 6......2 credits Prerequisites: Admission in D H Program or instructor permission. Co-requisites: DH222A and DH222B are taken together and require simultaneous registration. Continuation of the practice of the Dental Hygiene process of care with focus on the integration of comprehensive dental hygiene care into the general dentistry practice setting. Competency testing will prepare students for WREB board examinations and Licensure. May be offered online.

DH 222B Clinical Dental Hygiene 6 Lab......5 credits Clinical Lab required for DH222A.

DH 228 Oral Biology 1 .......4 credits Prerequisite: Admission to the DH Program or consent of instructor Identify, describe, and locate the bones of the skull, muscles, cranial nerves, blood vessels, and lymphatics of the head and neck; glands of the oral cavity; the tongue, the temporomandibular joint; and the alveolar processes. The student will also be able to explain and recognize terms and processes related to the development of the head, face and oral cavity. May be offered online.

DH 229 Oral Pathology for the Dental Hygienist ...... 3 credits Prerequisite: Admission to the DH Program or consent of instructor Concepts in general, systemic, and oral pathology. Emphasis on entities frequently encountered, clinical signs and symptoms, and concepts of differential diagnosis. May be offered online.

DH 233 Anesthesia/Analgesia for Dental Hygiene Therapy...3 credits Prerequisites: Admin. in DH Program or instructor Permission. Current science, theories and implementation of local anesthesia and nitrous oxide/oxygen conscious sedation. Review of anatomy, physiology, pharmacology, and emergency procedures associated with local anesthesia and NO2/O2 conscious sedation. Foundational skill development in the administration of infiltration and block anesthesia in dental hygiene procedures. Laboratory and clinical experience in administration of local anesthesia and N2O/O2. May be offered

DH 234 Trends and Issues in Dental Hygiene ......2 credits Prerequisite: Admission to the DH Program or consent of instructor. Exploration of current trends and issues in the profession, ethics and jurisprudence, practice management and researching employments opportunities for the dental hygienist. May be offered online.

DH 237 Community Dental Health......3 credits Prerequisites: Admission to DH Program or Instructor permission An introduction to dental public health practices. Emphasis on use of an evidence based philosophy for incorporating scientific literature into community dental health practices. Instruction in basic research, statistical concepts and electronic data bases. Program planning is emphasized. Field work in public health clinics, with community groups for dental presentations and in public dental programs. May be offered online.

DH 238 Community Dental Health......1 credits Prerequisites: Acceptance into Dental Hygiene Program. Preparation of a community dental health portfolio demonstrating implementation of dental health program plans and participation in field work assignments. Portfolio projects focus on the identification of community groups and development of sound approaches to dental public health needs. The student participates in field work assignments and student initiated community health promotion projects. May be

DH 243A Oral Roentgenology 1 ......2 credits Prerequisite: Admission to the DH Program or consent of instructor. Co-requisite: DH 244A and DH 244B are taken together and require simultaneous registration. Historical background, terminology; concepts and principles of x-radiation, x-ray generation, radiologic health and safety measures; normal radiographic dental anatomy; radiographic legalities. Film technique, including critiquing, exposing, processing, and mounting. Laboratory provides skills in dental

radiographic exposure on manikins as well as processing techniques. May be offered online.

**EL 115H Effective Learning: Health Science Majors**.....................3 credits This course is designed for health occupation majors who wish to strengthen their study skills and strategies. Students will learn how to take notes from lectures and textbooks, use their preferred

learning styles, study for tests, improve memory, read and study from textbooks, manage time effectively, use the library, and make visual study tools. Course work requires college-level reading skills.

**Design - See Art, Studio and Graphic Design** 

#### **Diesel and Heavy Equipment**

For information, contact the AdvancedTechnology Division, Bldg. 15/Rm. 201, 541.463.5380.

DS 158 Heavy Equipment Chassis and Power Trains........1-12 credits This course covers technical information and shop projects necessary for the practical application and understanding of theories and principles used in the operation of on and off highway automatic transmissions, diagnosing, testing fluid couplings and torque converters, and repair of heavy equipment chassis and power trains. Technical information and shop projects to apply and understand theories and principles include: frames; suspensions; conventional steering systems; track-type undercarriages; final drives and steering mechanisms; clutches; standard transmission; on and off highway automatic transmissions; drive lines; front- and rear-drive carrier units; heavy duty tires, wheels, and rims; and wheel hubs, dead and live axles of on and off highway diesel equipment.

DS 259 Diesel Engines and Engine Overhaul .......1-12 credits This course covers technical information and shop projects necessary for the practical application and understanding of theories and principles used in the operation, diagnosing, testing, and repair of diesel engines and engine overhaul. This includes: development

of the diesel engine; diesel engine operating principles; combustion chamber design and function; the cylinder block; cylinder head and components; crankshaft, main bearings, vibration damper and flywheel; pistons, rings, and connecting rod assembly; camshaft and timing gear train; lubrication systems and lube oil; cooling systems and coolant; air intake systems; exhaust systems and emissions; hand tools used in the disassembly, reassembly and overhead adjustment, precision measuring tools and shop equipment; engine disassembly, reassembly, diagnosis; and troubleshooting diesel engines as they apply to "on" and "off" the highway diesel equipment.

#### Drafting

For information, contact the Advanced Technology Division, Bldg. 15/Rm. 201, 541.463.5380.

 used in high-performance or green buildings, including energy, water, lighting, heating, ventilation, and air conditioning.

#### **Drama - See Theatre Arts**

#### **Early Childhood Education**

For information, contact the Child and Family Education Department, Bldg. 24, 541.463.5619.

#### ECE 105 Health and Safety Issues in Early

Students will study types and benefits of play as the basis of curriculum planning. Offered online.

#### **ECE 240 Supervised Student Teaching-LCC**

ECE 253 Diversity Issues in Early Childhood Education............3 credits This course explores the concept of human diversity in early childhood settings. It will specifically include an awareness and appreciation of issues of ability, belief, class, culture, gender, language, race, and family experiences as they affect the development of the young child and his or her family. Students will evaluate and develop appropriate materials and methods to increase children's awareness and appreciation of diversity.

ED 280EC Co-op Ed: Early Childhood Education......3-12 credits This course offers ECE majors (seeking an AAS degree) internship opportunities in a variety of early childhood settings. ECE majors earn college credit and a grade for on the job work experience related to their education and career goals. The field experience is supervised by ECE faculty and qualified staff at the site, and may include a weekly seminar.

of inclusion, along with a focus on specific disabilities is covered, including autism spectrum disorder, speech and language, and attention deficit disorder.

#### Earth and Environmental Science

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

ENSC 182 Atmospheric Environment and Climate Change...4 credits Causes, consequences, geologic history and science of climate change and atmosphere. Topics and labs include weather, sun-Earth cycles, air pollution, ozone layer, greenhouse effect, ocean/atmosphere/ice systems, climate models and data, predictions, feedbacks, tipping points, carbon sequestration, energy options. Advise G102, or GEOG141 first.

wasting, streams, groundwater, coasts, glaciers, deserts, climate and plate tectonics. Take this course or G 201 before G 203.

**G 280ES Co-op Ed: Environmental Science**......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of environmental studies. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit.

**GS 142 Earth Science: Earth Revealed**......3-4 credits Introduces geology and integrates topics of Earth's history, plate tectonics, minerals, rocks, volcanism, earthquake activity, weathering, rivers, groundwater, glaciers, and coasts. Optional 4th credit requires labs exercises completed at home. Offered through distance learning.

#### GS 201 Scientific Skepticism - Someone is Wrong

#### **Economics**

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

#### **ECON 200 Principles of Economics: Introduction**

#### **ECON 201 Principles of Economics: Introduction**

#### **ECON 202 Principles of Economics: Introduction to**

ECON 250 Class, Race and Gender in the US Economy .........4 credits This course examines the economic causes of social stratification within the labor market, based upon class, race and gender. Topics include: earnings and employment disparities; uneven poverty rates; differential access to housing, health, and education; and economic discrimination. This course examines how the market both enables and obstructs various social groups in their participation in the 'American Dream'. Presented from a political-economy perspective recognizing that economic discrimination is both a measurable and enduring characteristic of market economies.

#### **ECON 260 Introduction to Environmental and**

#### Education

#### Also see Early Childhood Education

For information, contact the Cooperative Education Division, Bldg. 19/Rm. 231, 541,463,5203

ED 280EC Co-op Ed: Early Childhood Education......3-12 credits This course offers ECE majors (seeking an AAS degree) internship opportunities in a variety of early childhood settings. ECE majors earn college credit and a grade for on the job work experience related to their education and career goals. The field experience is supervised by ECE faculty and qualified staff at the site, and may include a weekly seminar.

#### **Electronics**

For information, contact the Advanced Technology Division, Bldg. 15/Rm. 201, 541.463.5380.

be brief.

math functions, light displays, control motors, produce sound and measure and react to light.

#### Emergency Medical/Paramedic

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617.You must be accepted into the Emergency Medical/Paramedic program to take these classes.

EMT 152 Emergency Medical Technician Basic Part 2 ...... 5 credits Corequisite: EMT 151. This course is part 2 of a 2 part course in Emergency Medical Technician. Successful completion of this two part course qualifies candidate to sit for state and national practical and written licensing exams administered locally. This course provides instruction in a variety of medical and trauma related emergencies. This is a demanding course designed for those who will respond to 911 emergencies in an ambulance or fire rescue and will function within an emergency medical services system, often as a volunteer with a local rural fire department. Supplies and equipment used is consistent with the tools of the trade. Fire departments and private ambulance services that respond to 911 emergencies carry very specific equipment and operate within very specific parameters. Students are taught how to apply their skills within this structure. This course is required for application into the second year of the AAS degree in Paramedicine.

#### **EMT 170 Emergency Response**

 reports and radio reports to hospital emergency departments. This course is required for application into the second year of the AAS degree in Paramedicine.

EMT 171 Emergency Response Patient Transportation............ 2 credits Prerequisite: EMT 152 or Oregon EMT license. This is an emergency vehicle operations course (EVOC) that provides students with driving skills required to operate an ambulance. Additional topics include: ambulance operation, laws pertaining to emergency ambulance driving and parking; vehicle maintenance and safety check; emergency response driving and route planning. This course is required for application into the second year of the AAS degree in Paramedicine.

#### **EMT 271 Emergency Medical Technology-**

#### EMT 273 Emergency Medical Technology-

#### EMT 274 Emergency Medical Technology-

social issues, musculoskeletal disorders, endocrinology, hematology, skin disorders, patients with special challenges, patients with chronic illness, and head, ears, eyes, nose and throat disorders. The cognitive and psychomotor domains are measured for competency using written exams and skill demonstration. Scenario labs stage emergencies for training and evaluation of required student competencies. The affective domain is measured for competency using published professional standards. Graduates are eligible to take the Oregon/National Paramedic exam.

## EMT 275 Emergency Medical Technology-

**EMT 280P1 Co-op Ed: EMT Internship Part 1** ......3-12 credits Prerequisite: EMT 272, EMT 273 Corequisite EMT 274. First term of a two-term course where paramedic students continue their learning by interning on an advance life support ambulance that responds to 911 emergencies. Students are paired with highly skilled local paramedics for their learning experience.

#### Energy Management

For information, contact the Science Division, Bldg. 16/Rm. 253, 541.463.3997.

NRG 110 Energy Efficiency Industry Software Applications..4 credits Students will be exposed to several of the most commonly used software applications within the Energy Efficiency industry. This course covers basic features of each software application as well as how to use the software to solve common problems and/or basic tasks.

NRG 111 Residential/Light Commercial Energy Analysis ......3 credits Prerequisite: PH 101 or Department Approval. Topics include residential/light commercial heating systems; heat transfer through building envelope; degree days; sources of internal heat gains; heat loss calculations, indoor air pollution; codes and regulations. Spreadsheets will be used.

 measures, use of micro-dataloggers, energy savings and investment calculations, audit report writing. Students complete a supervised field audit.

NRG 122 Commercial Air Conditioning System Analysis ......3 credits Prerequisite: NRG 121 or Department Approval. Students learn to identify commercial HVAC system types and the energy impact of each type. Calculations will be used to determine HVAC system efficiency. Students will investigate HVAC delivery systems including fans pumps dampers, control valves, and ducting. The course includes field work.

NRG 155 Photovoltaic System Design and Installation 1......4 credits Prerequisite: PH 101 and PH 102 and MTH 095 or Math Placement Test. Corequisite: NRG 157 or Department Approval. This hands-on course will cover the National Electrical Code (NEC) specifics concerning photovoltaic (PV) installation article 690. Code compliant wiring of modules, inverters, charge controllers, and batteries will be explored in detail. Students will use materials designed for installation practice both indoors and out.

room systems and control systems. Retrofit opportunities and other energy conservation measures.

NRG 280 Co-op Ed: Energy Management.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of energy management. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

## Engineering Transfer

#### Also see Drafting, Electronics and Physics

For information, contact the Mathematics Division, Bldg. 16/Rm. 166, 541.463.5392.

 and rigid bodies are studied with a vectorial approach. Particular attention will be given to the composition, resolution and equilibrium of coplanar and non-coplanar force systems; two dimensional trusses and frames; centroids and moments of inertia of plane areas; coulombic friction; and the distribution of shear and bending moments in simple beams.

ENGR 280 Co-op Ed: Engineering.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of engineering. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit.

## **English - See Literature, Writing**

English as a Second Language - See Study Skills

**Environmental Science - See Earth and Environmental Science** 

#### Ethnic Studies

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

## ES 212 Chicano/Latino Studies: Political and

# ES 213 Chicano/Latino Studies: Contemporary

cultural issues affecting the largest Latino communities in the United States. We will review theories of ethnic identity development, as well as the social and political construction of 'race'. This course also examines how U.S. foreign policy in Latin America has influenced perceptions within and outside of the Latino community. Finally, we review the use of pan-ethnic labels and their function in the construction of an all-encompassing Hispanic Nation.

#### ES 221 African American Studies: Down from

#### ES 223 African American Studies: A Luta Continua:

#### ES 241 Native American Studies: Consequences of

## **Exercise and Movement Science**

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541,463,5545

**EXMS 214 Physiology of Exercise and Healthy Aging**...............3 credits Teaches the physiological changes that occur during the aging process and the positive effects of exercise on disease risk, longevity and quality of life. Aging theories, structural and functional changes, and exercise programming for elderly populations will be discussed. May be offered online.

# PTA 206 Cardiopulmonary Pathology and

## **Fabrication and Welding**

For information, contact the Advanced Technology Division, Bldg. 15/Rm. 201, 541.463.5380.

ENGR 280W Co-op Ed: Welding.......3-12 credits This course provides welding-related learning in businesses and organizations. The student will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world. In this course a student will develop skills, explore career options and network with professionals and employers while earning credit toward a degree.

the context of assigned and graded practice projects and written tests.

WLD 121 Shielded Metal Arc Welding 1 ......1-4 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. Skill development in SMAW, oxy-acetylene cutting, understanding and practicing safe work methods in the welding shop and welding in all positions (flat, horizontal, overhead, and vertical), using the shielded metal arc process.

WLD 122 Shielded Metal Arc Welding 2 ......1-4 credits Prerequisite: WLD 121 or performance test and written examination. Skill development in electric arc welding. Training in the selection of electrodes and their use on metals of varying thicknesses, and continued training in oxyacetylene cutting. Welding using a wide variety of electrodes. The student will be instructed in safe work habits and the optimum use of materials and equipment.

#### WLD 140 Welder Qualification (Cert):

WLD 151 Fundamentals of Metallurgy......1-3 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. Physical, chemical and mechanical nature of carbon and alloy steels. Includes study of the purpose and practice of various thermal treatments and cold working processes common to metal using industries.

WLD 154 Wire Drive Welding 2.....1-4 credits
Prerequisite: WLD 143 or instructor consent. Technology and

application of wire drive process using gas shielded cored wire is taught. Preparing weld test specimens and performing weld tests is included in this course.

WLD 159 Wire Drive Welding 3 ......1-4 credits Prerequisite: WLD 143 or instructor consent. Technology and application of the wire drive process using self shielded cored wire is taught. Preparing weld test specimens and performing weld tests is included in this course.

#### **Family Studies - See Human Relations**

Film - See Literature, Media Arts

#### Fitness and Life Style

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

#### FLS 120 Fitness Assessment & Exercise Prescription -

#### FLS 130 Principles of Strength Training and

#### **Flight**

#### Also see Aviation Maintenance

For information, contact Lane Aviation Academy, Airport Road, 541.463.4195.

FT 101 Exploring Aviation Careers: Summer Academy............ 1 credits This course is designed to provide a hands-on opportunity for the participants in multiple major career specialities in the air transportation industry. This course includes 3 hours of dual flight instruction recorded as official logged flight time. Classroom instruction with labs including experience as a pilot, aviation maintenance technician, avionics technician, air traffic controller, airport management and briefings with the TSA.

# FT 141 Pt 141 Private Pilot Stage 1 Pre-solo Flight

#### FT 141W Pt 141 Private Pilot Stage 1 Pre-solo Flight

#### FT 142 FT 142 Private Pilot Stage 2 Post-solo Flight

## FT 142W FT 142 Private Pilot Stage 2 Post-solo Flight

## FT 143 FT 143 Private Pilot Stage 3 Cross-country

## FT 143W FT 143 Private Pilot Stage 3 Cross-country and

## FT 201 FT201 Instrument Rating Stage 1 Altitude

#### FT 202 FT 202 Instrument Rating Stage 2 Holding

#### FT 203 PT 203 Instrument Rating Stage 3

## FT 221 FT 221 Commercial Pilot Stage 1 Ground

## FT 222 FT 222 Commercial Pilot Stage 2 Ground

#### FT 223 FT 223 Commercial Pilot Stage 3 Ground

## FT 224 FT 224 Commercial Pilot Stage 4 Ground

## FT 225 FT 225 Commercial Pilot Stage 5 Ground

 and using performance data and numerous other industry information resources. May be offered online with instructor approval.

FT 255 Fundamentals of Instruction and Human Factors......3 credits Psychological principles of the human learning process with methods to improve instructor effectiveness. Human factors including hazardous attitudes, fatigue, human error, decision making, cockpit design and ergonomics of the man/machine interface are covered. Studies CRM to improve crew coordination and situational awareness.

## FT 256 Flight Instructor-Airplane and Instrument

#### Foreign Languages - See Language Studies

#### French - See Language Studies

## Geography

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

location, pattern, movement, and region used to understand the physical environment. Students will apply geographic principles, theories, and methods to understand the physical environment and identify key processes shaping the Earth's surface. Students will use, graphs, maps and GIS technologies to acquire, process, and report information from spatial perspectives as they explore the causes and impacts of natural disasters: extreme weather, earthquakes, land-slides, floods, and volcanic eruptions. This course is strongly recommended as a prerequisite for ENVS 184, Global Climate Change. This course meets the AAOT science or social science requirement. This course may be offered online.

GIS 280 Co-op Ed: Geographic Information Science.........3-12 credits Cooperative Education is a work experience opportunity for students that have completed two GIS classes: (GIS 151 and GIS 245) and have the instructors approval.

#### **Geology - See Earth and Environmental Science**

## Graphic Design

For information, contact the Art and Applied Design Department, Bldg. 11/ Rm. 101, 541.463.5409.

## ART 115GD Basic Design: Fundamentals for

personal style. Student will create and analyze projects that demonstrate critical and creative thinking and knowledge of drawing media and theory. This course satisfies the Intermediate Drawing level credit. Recommended for Graphic Design and Media Arts majors. This course is for Art and Applied Design majors and for non-art majors. May be repeated for up to 9 total credits.

ART 280GD Co-op Ed: Graphic Design.......3-12 credits Prerequisite: Instructor approval. This course provides on-the-job experience in professional graphic design sites in the community. Students integrate theory and practice gained in the classroom with practical experience in the professional world. Students develop skills, explore career options and network with professionals and employers while earning credit toward a degree. Contact the graphic design co-op coordinator before registering. Course content and expected learning proficiencies vary term to term. Course may be repeated.

## Health and First Aid

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

behavior change strategies, disease prevention, health promotion, psychological health, and communication. May be offered online.

HE 280 Co-op Ed: Health Occupations .......3-12 credits This internship course provides on-the-job learning experiences in the health occupations field. Students earn college credit while working under the supervision of a health care professional. Internship sites are selected to support each student's career goals, contributing to the student's education and future employability.

## **Health Information Management**

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Health Information Management program to take some these classes.

# HIM 101 Introduction to Health Care and Public Health in the US .......4 credits

This course surveys health care and public health organization and the delivery of health services in the U.S. Included in the survey are relevant organizations and their interrelationships, professional roles, legal and regulatory issues, payment systems, public health policies and the importance of health reform initiatives. Offered online.

#### HIM 120 Introduction to Health Information

## HIM 206 Co-op Ed: Employment in Healthcare:

HIM 241 Health Information Management Applications 1.....4 credits Prerequisites: HIM120, HIM183, HIM101, HIT105, HIM222, and HIM114 with minimum grade of C, or instructors consent. This course examines the foundations of health information technology used in the collection and management of clinical information. Topics covered: the function, content, and structure of the health record. Data sets and healthcare information requirements and standards will also be covered. Offered online.

HIM 242 Health Information Management Applications 2.....4 credits Prerequisite: HIM241 passed with a C or higher or instructors consent. This course covers the history and use of clinical vocabularies, reimbursement methodologies, principles and supervisory management; including resources management responsibilities, such as job position descriptions, performance/practice standards, and policies and procedures. Students will study topics on Human Resources, RHIOs, PHRs, and medical identity theft. Offered online.

HIM 280 Co-op Ed: Health Information Management ........3-12 credits Prerequisites: COOP206 with a "C" or better, admission to the Health Information Management (HIM) program, and instructor approval. This course gives the student professional practice experience in either a healthcare setting. The student will complete a project for his/her practicum site and may be allowed and required to work on the project off-site. The practicum allows the student to gain experience as a health information professional in an actual healthcare work setting, and is essential to training and certification.

#### HIT 111 Implement and Customize Electronic

#### History

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

and the Americas. Themes and topics will include world religions, early empires, communication, interaction and exchange. These survey courses will use the global approach, which focuses on the big picture and looks at the convergence of peoples across the earth's surface into an integrated world system begun in early times and intensified after the rise of capitalism in the early modern era. All of the courses will consider the connections of select topics and concepts to the shaping of our present world. May be taken out of sequence. May be offered online.

women's rights movement, women and work, women and war, the 'feminine mystique,' and personal politics. The coursework will also include implications of race, class, and ethnic differences among women over time.

## **Hospitality Management**

For information, contact the Culinary Arts and Hospitality Management Department, Bldg. 19/Rm. 202, 541.463.3503.

#### **HRTM 109 Principles of Meetings and Convention**

#### HRTM 209 Advanced Principles of Meeting, Convention,

 for Meeting and Learning in addition to weekly in –class meetings covering all aspects of managing banquets and events.

HRTM 260 Hospitality Human Resources and Supervision.... 3 credits Prerequisite: CAHM majors only. Examines the fundamentals of supervision that include planning, basic management functions, and customer relations and service. Focus is on building relationships with diverse employees through communication, motivation, supervision and leadership, and the human resources environment.

HRTM 280 Co-op Ed: Hospitality Management .......1-7 credits Prerequisite: HM majors only. This course provides the student with hospitality management-related work experience in community businesses and organizations. The student will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world.

to all aspects of restaurant work by rotating through a variety of different job positions.

#### **Human Relations**

For information, contact the Counseling Department, Bldg. 1/103, 541.463.5299.

**CG 203 Human Relations at Work**.....1-3 credits This course presents the interpersonal 'people skills' that are important in the modern workplace. Topics are varied. Focus includes awareness of individual work styles and how to work effectively with people with different styles in a diverse workplace. May be offered online.

## **Human Services**

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

HS 107 Aging: A Social and Developmental Perspective ......3 credits This course introduces students to the field of gerontology. As our population ages, we continue to have a need to have service providers who are informed, trained and educated around the issues facing seniors. Students will learn skills that will assist them in working with elders and their families. Students will be introduced to the various service settings as well as the needs of special populations. Spirituality and alternative forms of care will also be explored.

## **HS 150 Personal Effectiveness for Human**

## HS 151 Issues in Assessing and Treating the

individuals who seek assistance from human service organizations. Best practices for both trauma specific and trauma-informed services

## HS 220 Prevention 1: Preventing Substance Abuse and

HS 222 Best Practices in Human Services: Interventions....... 4 credits An overview of Best Practices currently implemented for substance abuse, mental health, case management and a variety of other challenges facing adults and families will be examined with an emphasis on the impact of environmental/societal factors, gender and multicultural issues.

#### HS 228 HIV/AIDS and other Infectious Diseases:

**HS 280 Cooperative Education: Human Services**......3-12 credits For information about this course, contact Cooperative Education Division, Bldg. 19/Rm. 231, 541.463.5203.

#### Humanities

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

 to think critically when exploring the arts and the other humanities. Online mediums are used to enrich and enhance the topics covered. Offered online only.

Internet - See Business and Computers: Introduction/Information Systems/Computer Science

Internships/Work Experiences - See Cooperative Education

## **Journalism**

Also see Photography

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541,463,5409.

#### **Landscaping - See Construction**

# Language Studies

For information, contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

FL 280IW Co-op Ed: International Work Experience.............1-12 credits Prerequisite: Instructor approval. This is a structured program for international work experience through LCC and IE3 Global Internships. Living and working in another country, students gain career and intercultural skills essential in a global society. Application and other details are on the web at ie3global.org.

Students continue to learn basic grammar structures, vocabulary, and cultural information. Computer lab work is required.

## FR 188 Study Abroad: French Language and

wherein students focus on improving their oral communication skills (listening comprehension, speaking, and intercultural competence). We use French and Francophone films to introduce and expand on vocabulary in authentic cultural contexts, with a focus on functional language. Students also share opinions and exchange ideas as they explore different Francophone cultures and social contexts.

## FR 288 Study Abroad: French Language and

 reading, writing, listening, and speaking of Spanish, and on learning about Spanish-speaking cultures. Tests are administered in class. The text for this course includes an online workbook component. Course content is conducted entirely in Spanish.

# Legal Assistant

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

LA 100 Legal Procedures......4 credits Co-requisite: LA102. Pre-requisites: Working knowledge of MS Word, accurate keyboarding speed of 45 wpm, and placement test scores into WR121 or WR115 or instructor permission. This course is an introduction to the roles and duties of legal support personnel and administrative procedures specific to law offices. Students will explore legal office careers, learn legal terminology, and learn about the attorney/client relationship. Introductory preparation of legal pleadings, correspondence, and documents including contracts, wills and trusts. Extensive coverage of written and oral communications needed for law practice, law office procedures, ethics, legal terminology, the court system, the law library, and notary public duties. Instructor enforced prerequisites: Working knowledge of MS Word, accurate keyboarding speed of 45 wpm, placement test scores into WR 121 and MTH 065 or instructor permission. May be offered online. Offered through Umpqua Community College. A host-provider fee may apply.

## Library/Information Research

For information, contact the Library, Center Bldg./2nd Floor, 541.463.5770.

#### Literature

For information, contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

CINE 265 Film History 1-The Silent Era to Early Sound ......... 4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the first course in a threepart survey of film history (aesthetic, economic, technological, and cultural). This course explores the evolution of film language from the silent era to WWII, and the various cinematic and artistic movements, as well as the economic context that led to the development of the US Studio System and Classical Hollywood Style. Students will be introduced to the basic elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to help students develop a sufficient cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

## CINE 266 Film History 2-The Sound Era through

the 1960s.......4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the second course in a threepart survey of film history: aesthetic, economic, technological, and cultural. This course explores the maturation and decline of the studio system in postwar U.S., as well as key international film movements that were informed by, but also challenged, the Hollywood model. Students will be introduced to the basic visual and aural elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to enable students to apply a cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

CINE 267 Film History 3-1960s-the present .......4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the third course in a threepart survey of film history (aesthetic, economic, technological, and cultural). This course focuses on contemporary world cinema beginning with various counter-cinemas of the 1960s, "new cinemas" of the 1970s, the rise of the entertainment economy in the 1980s, and concludes with a focus on present-day digital cinemas within a global and trans-media market. Students will be introduced to the basic visual and aural elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to enable students to apply a cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of

films are used in class for close analysis and are an integral part of the course

ENG 100 Children's Literature .......4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) are strongly recommended for success. Children's Literature is a wide-ranging introductory course, including a history of both British and American literature for children and a continuing discussion of the ways our culture and history have defined and created what chidren may or may not be and what they may or may not read, enjoy or understand. The class reads a variety of material including fairy tales, picture books, and young adult novels. Students will develop criteria for the selection and evaluation of literature for children at different developmental stages. Students will explore current debates in and around children's literature, scholarship, classroom use, and publishing. This course features multi-cultural materials and touches on a variety of media, including film, cartoons, television, and print. Though many students who take the course are, or will be, working with children, the course also addresses children's literature from a literary perspective, discussing the texts from theoretical as well as a pedagogical framework. A major aim of the class is to introduce students to recent and emerging authors to broaden familiarity with current material available to vouna people.

ENG 105\_H Introduction to Literature: Drama-Honors..........4 credits This honors class delves deeper into course topics and requires a high level of student motivation; the pace may be faster than non-honors courses. See *lanecc.edu/honors* for information. This course is a reading, writing, and discussion course that features critical analysis and appreciation of a wide variety of world plays beginning with the classical Greek period and ending with works of today.

or placement into WR 121) are strongly recommended for success. Survey of World Literature is a three-term sequence to acquaint students with representative works of important world writers, literary forms, and significant currents of thought. The class is intended primarily for students who aspire to a broad education and who want to expand their reading experience and interpretive skills. The material covers the nineteenth century until the present day.

 in this course. This is an introductory course to Latino/a literature that will examine some of the major issues that have influenced its development beginning with the contact between European and pre-Columbian cultures. Students will also read some of the major voices in Latin American literature in order to examine how their work anticipates many of the issues facing contemporary Latino/a writers in the United States.

ENG 232 Native American Literature, Myth and Folklore ......4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) are strongly recommended for success in this course. This course provides an introduction to the oral traditional and formal written literature of Native American cultures through a wide variety of texts from different countries, tribes, regions, and individuals. Students will examine the world view expressed in the literature, the major thematic currents of oral and written Native American literature, the characteristics of Native American forms and traditions, and the characteristics it shares.

of attitudes, values, and identities as expressed within the body of literature

ENG 250 Introduction to Folklore and Mythology......4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) are strongly recommended for success in this course. The nature and formal principles of studying folklore and myth will be introduced and illustrated through a variety of texts. folk artifacts, and thematic ideas, including world-wide examples that extend beyond Western cultures. Students will examine folkloric elements in their own and each other's backgrounds, as well as textbook examples of folklore and folk life from regional, ethnic, age, gender, or work groups. Students will consider how myth informs their own and each other's backgrounds, as well as examine textbook examples of myth and mythic themes, motifs, and archetypes from regional, ethnic, age, gender, or work groups. The course will introduce students to formal approaches to a variety of folklore and myths, and explore the relationship between myth, culture, and society. Folklore and myth will also be considered from a cross-cultural perspective.

## **ENG 257 The American Working Class in Fiction and**

College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) are strongly recommended for success in this course. This course creates several perspectives through which to explore the African American experience: Drama, Poetry, and Film Studies. This course is designed to allow students to utilize textual materials, dramatic presentations, films, and documentaries to chart, research, examine, and evaluate the interconnectedness of black plays, poetry, and film representations. Students will have at their disposal a variety of resources to aid them in understanding the themes, techniques, and critical theories underlying the foundations that black playwrights, poets, film historians, and filmmakers/ actors have developed and refined over the years. This course will guide students to a clearer yet more comprehensive understanding of the collaborative aspect of these artistic expressions in the African American world and their continuing influence on the larger American experience in Arts and Letters.

**ENG 260 Introduction to Women Writers**......4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) are strongly recommended for success

in this course. This course will introduce students to the richness and variety of literary works written by women. Issues that concern women writers, the impact of stories, and how class, race, and gender work to construct the stories we live by will be central to the course. Students will consider fiction written by women writers in a global context historically to the present day. The course will include an introduction to feminist literary theory and will introduce students to a variety of literary genres and styles, including the slave novel, sentimental, realistic, and postmodern fiction.

FA 265 African American Film Images ......4 credits Prerequisite: a passing score (C-/P or better) in WR 95 or its equivalent, placement into WR 115 (a score of 76RD and 76WR on the placement test), or instructor permission. This course gives students an introduction to African Americans' role in the history of Hollywood filmmaking, and the social, educational, and political climates that follow this cultural phenomenon of movie making. Several critical texts will reveal the historically complex and difficult relationship between black Americans and their desire to become an active. integral part of all aspects of the American film industry. Screenings of important films, class discussions, inside and outside of class group work, exams, and other relevant critical readings are essential aspects in guiding students' understanding of the peculiar problems complicating African Americans' full, rigorous admittance and participation into the Hollywood system. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements.

FA 276 Gender, Race, and Class in U.S. Cinema .................................4 credits Suggested prerequisite: placement into WR 115 (college-level reading and writing skills). FA 276 is a cinema course focused on the exploration of representations of gender, race, and class in U.S. Cinema. The course explores the impact of Classical Hollywood Stylethe predominate form of storytelling in U.S. Cinema during much of the 20th Century – as it relates to both the creation of cinematic texts and the presentation of race/ethnicity, gender, sexuality, and class. Students will be introduced to a cinematic language, the history of cinematic representation, and theoretical discussions of meaningmaking, reception, production, and distribution of cinematic texts. Culminating projects will involve the application of cinematic theory in an analysis of the construction of race, gender, sexuality, and class in particular cinematic texts. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

Machine Shop, Machine Tools - See Manufacturing

Management - See Business and Hospitality Management

## Manufacturing

For information, contact the AdvancedTechnology Division, Bldg. 15/Rm. 201, 541 463 5380.

**ENGR 280M Co-op Ed: Manufacturing Technology.......**3-12 credits This course provides manufacturing-related learning in businesses and organizations. The student will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world. In this course a student will develop skills, explore career options and network with professionals and employers while earning credit toward a degree.

MFG 102 Shop Measurement and Coordinate System ...........3 credits Prerequisite/Co-requisite: MFG 101This course teaches basic measurement, print reading and concepts necessary to be successful in a shop environment. Topics covered include: Mixing ratios, Cartesian coordinate systems, speed and feeds, basic trigonometry for technicians.

MFG 124 Shop Measurement and Coordinate Systems .......3 credits Prerequisite/Co-requisite: MFG 101 This course teaches basic measurement, print reading and math concepts necessary to be successful in a shop environment. Topics covered include: Mixing ratios, Cartesian coordinate systems, speed and feeds, basic trigonometry for technicians.

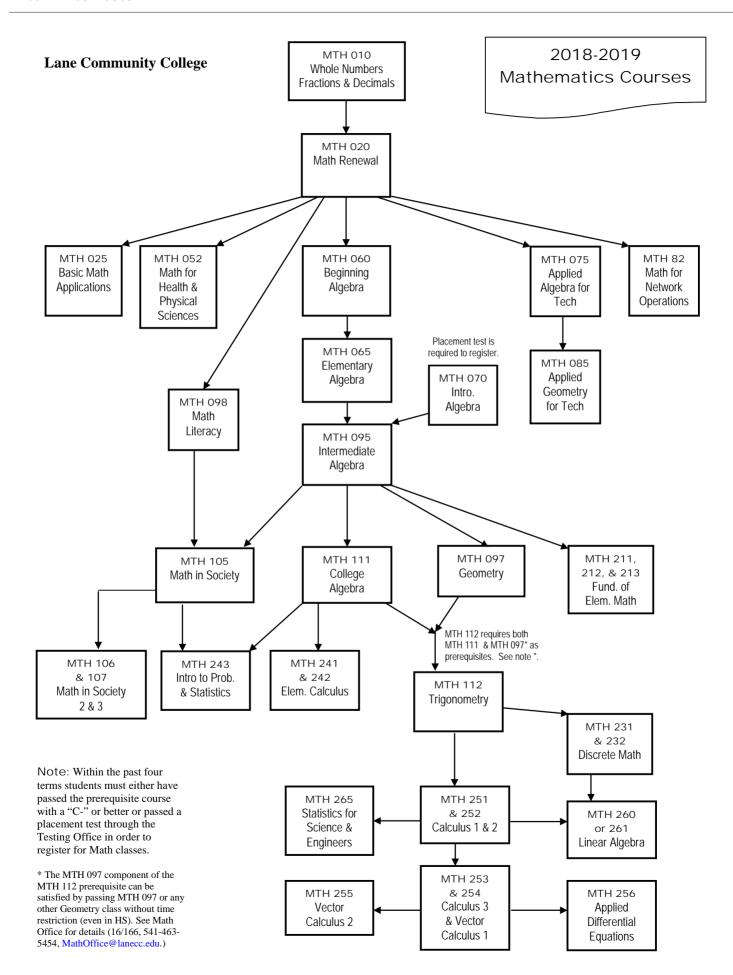
Students are provided with drawings and instructions which they will use to create a series of projects of increasing complexity.

#### **Mathematics**

For information, contact the Mathematics Division, Bldg. 16/Rm. 166, 541.463.5392.

sequence of courses that when completed are equivalent to MTH 020

MTH 020D Math Renewal: Part D ...... 1 credits Prerequisite: Within the past four terms completed MTH 020A and MTH 020B and MTH 020C or equivalent courses with a grade of "C-" or better. If you have taken a higher level math course than this and passed the course with a "C-" or better, you may not use this course for your degree/certificate requirements. This course begins with an introduction to data and statistics including averages and reading graphs. It then focuses on measurement and unit conversions and finishes with basic geometry in a problem-solving context. Each new topic incorporates review of previously learned skills and application problems. The last exam for this credit will be comprehensive over the material in the entire MTH 020 course. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math. This is Part D of a four part, individual credit, sequence of courses that when completed are equivalent to MTH 020.



 part, individual credit, sequence of courses that when completed are equivalent to MTH 065.

circles; surface area and volume of solid figures such as prisms and pyramids; similarity, ratio and proportion, right triangle trigonometry. Oblique triangle trigonometry is an optional topic. Algebra topics from MTH 075 will be applied throughout. The course will emphasize clear communication of mathematical results. Application problems are realistic with some data to be collected, analyzed and discussed in group setting with results submitted in written form.

 congruence, and similar figures. Applications and exploration of geometry topics rather than proofs will be stressed. This course is the geometry prerequisite for MTH 112. MTH 097 is strongly recommended for MTH 111.

MTH 211 Fundamentals of Elementary Mathematics 1..........4 credits Prerequisite: Within the past four terms completed MTH 095 or equivalent course with a grade of "C-" or better, or pass a placement test through the Testing Office. Course includes a survey of mathematical topics for those interested in the presentation of mathematics at the K-9 levels. A variety of manipulative and heuristic problem solving strategies are used. Emphasis is on problem solving, patterns, sequences, set theory, an introduction to logic, numeration systems, number bases, arithmetic operations with whole numbers and integers, and number theory.

MTH 212 Fundamentals of Elementary Mathematics 2...........4 credits Prerequisite: MTH 211 with a grade of "C-" or better completed within the past four terms. Surveys mathematical topics for those interested in the presentation of mathematics at the K-9 levels. A variety

of manipulative and heuristic problem solving strategies are used. Emphasis is on problem solving, rational numbers (as fractions and decimals), irrational and real numbers, proportional reasoning, percent, using elementary algebra (use of variables, equation solving, relations and functions), and an introduction to probability.

MTH 213 Fundamentals of Elementary Mathematics 3............4 credits Prerequisite: MTH 211 or MTH 212 with a grade of "C-" or better completed within the past four terms. A survey of mathematical topics for those interested in the presentation of mathematics at the K-9 levels. A variety of manipulative and heuristic problem solving strategies are used. Emphasis is on problem solving, elementary statistics, introductory geometry (basic definitions, vocabulary, polygons, angles, 2-3 dimensional geometry, congruence, constructions, similarity), transformational geometry, and measurement systems.

MTH 251 Calculus 1 (Differential Calculus)......5 credits Prerequisite: Within the past four terms completed MTH 112 or equivalent course with a grade of "C-" or better or passed placement tests through the Testing Office. MTH 251 is a first-term calculus course that includes a selective review of precalculus followed by development of the derivative from the perspective of rates of change, slopes of tangent lines, and numerical and graphical limits of difference quotients. The limit of the difference quotient is used as a basis for formulating analytical methods that include the power, product, and quotient rules. The chain rule and the technique of implicit differentiation are developed. Procedures for differentiating polynomial, exponential, logarithmic, and trigonometric functions are formulated. Analytical, graphical, and numerical methods are used to support one another in developing the course material. Opportunities are provided for students to work in groups, verbalize concepts with one another, and explore concepts and applications using technology.

integral, properties of the definite integral, the first and second Fundamental Theorems of Calculus, constructing anti-derivatives, techniques of indefinite integration, approximating definite integrals, and applications. Analytical, graphical, and numerical methods are used to support one another in developing the course material. Opportunities are provided for students to work in groups, verbalize concepts with one another, and explore concepts and applications using technology.

#### MTH 254 Vector Calculus 1 (Introduction to Vectors and

MTH 255 Vector Calculus 2 (Introduction to Vector Analysis)4 credits Prerequisite: MTH 254 completed with a grade of "C-" or better within the past four terms. This is the fifth term of a six-term sequence. Major emphasis is on multiple integration, vector fields, and applications.

#### **Mechanics - See Automotive, Aviation, Diesel**

## **Media Arts**

For information about classes with course numbers that begin with:

CINE and FA - Contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

ART, AUD, FA, MDP, MUL, VP - Contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541.463.5409.

as website front-ends, interactive games, animated cartoons, movie trailers, and PDA interfaces. At the end of the course you will understand how components of a Flash movie fit together, have used all the key tools, and have integrated all of your learning in a series of detailed creative exercises.

ART 288 Introduction to Web Design and Social Media.........3 credits Introduction to design and communication principles as they apply to web design. Students also investigate the unique challenges involved in web site design including an introduction to social media marketing.

CINE 265 Film History 1-The Silent Era to Early Sound ......... 4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the first course in a threepart survey of film history (aesthetic, economic, technological, and cultural). This course explores the evolution of film language from the silent era to WWII, and the various cinematic and artistic movements, as well as the economic context that led to the development of the US Studio System and Classical Hollywood Style. Students will be introduced to the basic elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to help students develop a sufficient cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

CINE 266 Film History 2-The Sound Era through the 1960s .......4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the second course in a threepart survey of film history: aesthetic, economic, technological, and cultural. This course explores the maturation and decline of the studio system in postwar U.S., as well as key international film movements that were informed by, but also challenged, the Hollywood model. Students will be introduced to the basic visual and aural elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to enable students to apply a cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

CINE 267 Film History 3-1960s-the present .......4 credits Suggested prerequisite: placement into WR 115 or above (collegelevel reading and writing skills). This is the third course in a threepart survey of film history (aesthetic, economic, technological, and cultural). This course focuses on contemporary world cinema beginning with various counter-cinemas of the 1960s, "new cinemas" of the 1970s, the rise of the entertainment economy in the 1980s, and concludes with a focus on present-day digital cinemas within a global and trans-media market. Students will be introduced to the basic visual and aural elements of film language and tasked with using this vocabulary to analyze cinematic texts. The primary goals of the survey are twofold: to help students recognize and identify particular historical approaches to understanding film; to enable students to apply a cinematic vocabulary to identify and analyze cinematic style in and across film texts and within and between film movements. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

 projects. The course will emphasize 2D animation tools and techniques and introduce 3D modeling and animation tools techniques.

FA 265 African American Film Images ......4 credits Prerequisite: a passing score (C-/P or better) in WR 95 or its equivalent, placement into WR 115 (a score of 76RD and 76WR on the placement test), or instructor permission. This course gives students an introduction to African Americans' role in the history of Hollywood filmmaking, and the social, educational, and political climates that follow this cultural phenomenon of movie making. Several critical texts will reveal the historically complex and difficult relationship between black Americans and their desire to become an active, integral part of all aspects of the American film industry. Screenings of important films, class discussions, inside and outside of class group work, exams, and other relevant critical readings are essential aspects in guiding students' understanding of the peculiar problems complicating African Americans' full, rigorous admittance and participation into the Hollywood system. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements.

and horror film" Students will be introduced to debates within genre theory, various theoretical approaches to a given genre , as well as representative cinematic texts within their historical and cultural context, as they relate to issues of gender, sexuality, race, ethnicity, class, and nationality. The course will focus on analyzing, historicizing, and exploring the chosen genre and its cycles. Film Genre N: Film Noir; Film Genre H: Horror; Film Genre C: Comedy. The course fulfills an Arts and Letters requirement for the AA/OT. Students should see an advisor about the possibility of repeating the course as the genre focuses changes.

FA 276 Gender, Race, and Class in U.S. Cinema ....... 4 credits Suggested prerequisite: placement into WR 115 (college-level reading and writing skills). FA 276 is a cinema course focused on the exploration of representations of gender, race, and class in U.S. Cinema. The course explores the impact of Classical Hollywood Stylethe predominate form of storytelling in U.S. Cinema during much of the 20th Century-as it relates to both the creation of cinematic texts and the presentation of race/ethnicity, gender, sexuality, and class. Students will be introduced to a cinematic language, the history of cinematic representation, and theoretical discussions of meaningmaking, reception, production, and distribution of cinematic texts. Culminating projects will involve the application of cinematic theory in an analysis of the construction of race, gender, sexuality, and class in particular cinematic texts. Weekly campus screenings are required, and clips of films are used in class for close analysis and are an integral part of the course.

#### MUL 218 Business Practices for Media Arts......3 credits

This course covers standard business practices relating specifically to the media industry. Develop the basic skills and resources for job searching, including writing a resume and proper business communication practices. Create a plan for developing your portfolio. Establish and organize an efficient workflow for a freelance business. Demonstrate an understanding of project management skills. This course is geared for Media Arts majors. It is recommended that you have completed at least one term of multimedia design, graphic design or web design coursework prior to taking this course. May be offered as a traditional, fully online or hybrid course.

## Medical Assisting

requirements.

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Medical Office Assisting program to take some these classes.

 This includes abstracting from healthcare documentation/records and assigning alphanumeric codes to diagnoses and procedures. The course also introduces students to basics of Medical scribing in outpatient healthcare providers' offices.

## Microbiology - See Anatomy/Physiology/Microbiology

Multimedia Design - See Media Arts

#### Music

For information, contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.5209.

basic multitrack recording of various instruments, using the mixing console, tracking to different mediums, etc.

MUS 115 Sight-reading and Ear Training (Second Term).......2 credits Prerequisites: MUS 114. Second in three term sequence of courses developing the skills necessary to read melodies at sight and to notate melodies one hears. It includes study of rhythm and meter, tonality and modality (solfeggio) scales, triads and seventh chords, cadences, and conducting patterns. Designed to be taken with MUS 112 and MUS 128 concurrently.

 have the opportunity to work with many audio formats such as AIFF, WAV, MP3, and surround sound as they work on their sound event projects. Students will work in the studio a minimum of 3 hours per week outside of class.

term. May be repeated up to 6 total credits. May be applied to transfer associate's degrees.

## MUS 201 Exploring Music: Introduction to Music and

## MUS 202 Exploring Music: Introduction to Music and

# MUS 203 Exploring Music: Introduction to Music and

MUS 205 Introduction to Jazz History.......3 credits This course provides the student with listening skills and a historical overview of jazz from its origins to the present. Emphasis is on inclass listening and discussion of the music. No musical background is needed to take this class. Satisfies arts and letters and ethnic/gender/cultural diversity requirements.

 Keyboard Skills 2 focuses on chromatic harmony. Skills include the performance of scales and arpeggios, chord progressions with modulations (including altered chords) with corrective voice leading and resolution, harmonization, transposition, improvisation, realization of figured bass, sight-reading of two-part piano texture. Designed to be taken with MUS 212 and MUS 225 concurrently.

MUS 225 Sight-reading and Ear Training (Second Term).......2 credits Prerequisites: MUS 224. This is the second of a three-term sequence. Continues development of student's perception, knowledge, and skills needed to read and write music. This course is designed to be taken with MUS 212 and MUS 215 concurrently.

MUS 226 Sight-reading and Ear Training (Third Term).............2 credits Prerequisites: MUS 225. This is the third of a three-term sequence. Continues development of student's perception, knowledge, and skills needed to read and write music. This course is designed to be taken with MUS 213 and MUS 216 concurrently.

MUS 280 Co-op Ed: Music .......3-12 credits Co-op offers students on-the-job work experience in a music-related site. Students integrate theory and practice gained in the classroom with practical experience in the professional world. Students develop skills, explore career options and network with professionals and employers while earning credit toward a degree. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits. Please contact music cooperative education coordinator before attempting to register.

formal concert at the end of fall, winter and spring term. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits. May be transferred.

#### **Music Lessons**

For information, contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.5209.

MUP 184 Individual Lessons: Saxophone (First-year level)....2 credits Prerequisite: Jury required to enter this level. See course description for MUP 171. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

MUP 185 Individual Lessons: Bassoon (First-year level)..........2 credits Prerequisite: Jury required to enter this level. See course description for MUP 171. May be repeated up to 12 total credits.

MUP 186 Individual Lessons: Trumpet (First-year level)..........2 credits Prerequisite: Jury required to enter this level. See course description for MUP 171. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

#### MUP 187 Individual Lessons: French Horn

MUP 188 Individual Lessons: Trombone (First-year level)...... 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 171. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

## MUP 189 Individual Lessons: Baritone Horn

MUP 191 Individual Lessons: Percussion (First-year level)......2 credits Prerequisite: Jury required to enter this level. See course description for MUP 171. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

## **MUP 192 Individual Lessons: Electric Bass**

MUP 271 Individual Lessons: Piano (Second-year level) ....... 2 credits Prerequisite: Jury required to enter this level. Individual instruction in technical and stylistic aspects of solo performance. Each term students enroll for one 50-minute lesson each week. Regular practice outside of lessons is expected. Consult with instructor regarding expectations. Contents and expected learning proficiencies of this course vary from term to term. Individual instruction in technical and stylistic aspects of solo performance for pre- and non-majors. Students receive 10 50-min lessons each term in their major instrument. Instruction is offered in the following: baritone horn, bassoon, cello, clarinet, classical guitar, electric bass guitar, flute, French horn, harp, jazz guitar, oboe, percussion, piano, saxophone, string bass, trombone, trumpet, tuba, viola, violin, voice. Contents and expected

learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

MUP 274 Individual Lessons: Voice (Second-year level)..........2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

MUP 275 Individual Lessons: Violin (Second-year level) ........ 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

MUP 281 Individual Lessons: Flute (Second-year level) .......... 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

MUP 283 Individual Lessons: Clarinet (Second-year level)..... 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

#### MUP 284 Individual Lessons: Saxophone

## **MUP 286 Individual Lessons: Trumpet**

## MUP 287 Individual Lessons: French Horn

MUP 288 Individual Lessons: Trombone (Second-year level) 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

## MUP 289 Individual Lessons: Baritone Horn

MUP 290 Individual Lessons: Tuba (Second-year level)........... 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. May be repeated up to 12 total credits.

## MUP 291 Individual Lessons: Percussion

## MUP 292 Individual Lessons: Electric Bass

MUP 294 Individual Lessons: Guitar (Second-year level) ........ 2 credits Prerequisite: Jury required to enter this level. See course description for MUP 271. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

## Nursing

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Nursing program to take these classes.

NRS 110A Foundations of Nursing-Health Promotion............4 credits Prerequisite: Admission in Nursing Program. Corequisite: NRS 110B. This course introduces the learner to framework of the OCNE curriculum. The emphasis is on health promotion across the life span includes learning about self-health as well as client health practices. To support self and client health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally-sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. The family experiencing a normal pregnancy is a major exemplar.

## NRS 110B Foundations of Nursing-Health Promotion

Clinical Lab required for NRS110A. 5 credits

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Corequisite: NRS 111A. Clinical Lab required for NRS111A.

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Corequisite: NRS 112A Clinical Lab required for NRS112A.

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Prerequisite: NRS 112A and NRS 112B and admission in the Nursing Program. Corequisite: NRS 221B. This course builds on Foundations of Nursing in Chronic Illness I. The evidence base related to family care giving and symptom management is a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self determination, and autonomy is explored. Complex skills associated with symptom management, negotiating in interdisciplinary teams, and the impact of individual and family development cultural beliefs are included in the context of client and family centered care. Exemplars include patients with chronic mental illness and well as other chronic conditions and disabilities affecting functional status and family relationships.

# NRS 221B Foundations of Nursing in Chronic Illness 2 and

# NRS 222A Foundations of Nursing in Acute Care 2 and

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NRS 224B Integrative Practicum 1 Lab .......7 credits Corequisite: NRS 224A. Clinical Lab required for NRS224A.

course addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology 1.

Prerequisite: BI 112 and BI 233 or BI 112 and BI 102G or BI 101F and BI 233 or BI 211 and BI 233 or BI 101K and BI 233 or BI 101K and BI 102G: and BI 234. Admission in Nursing Program. This course introduces pathophysiological processes that contribute to many different disease states across the lifespan and human responses to those processes. Students will learn to make selective clinical decisions regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. Prereguisites: Anatomy and Physiology sequience; Microbiology.

Prerequsitie: NRS 232 and admission in the Nursing Program. This seguel to Pathophysiological Processes I continues to explore pathophysiological processes that contribute to disease states across the lifespan and human responses to those processes. Students will learn to make selective clinical decisions regarding using current, reliable sources of pathophysiology information, selecting and interpreting focused assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I.

NRS 280 Co-op Ed: Nursing.....2-12 credits Prerequisite: Admission in Nursing Program. This is a voluntary learning experience in a professional medical setting where students gain additional nursing skills under the guidance of working nursing professionals, explore career options, and integrate theory and practice. This course in not required for the Nursing Program AAS degree

PN 101 Practical Nursing 1......12 credits Prerequisite: WR 115; HO 100; BI 233; PSY 201 Admission in the Practical Nursing program. This course is the first of three terms in the Practical Nursing Program. Content covered in the classroom and lab will include: nursing and the health care delivery system, complementary and alternative care; legal and ethical issues, including scope of practice; communication; nursing process, critical thinking, physical assessment; documentation, abbreviations, HIPAA; development across the life span; health promotion; cultural diversity; nutrition and therapeutic diets; medical asepsis and infection control; pharmacology and medication administration; and pain assessment. Skills taught during this course will include communication techniques, physical assessment, ambulatory care skills; focused assessments (Braden, falls risk, mini cognition and pain), nursing process, documentation, and oral, topical, drops, ointments, sublingual medication administration, dosage calculation. Clinical application of content and skills will take place in the nursing lab and in outpatient and ambulatory care settings. May be offered in a format with some online instruction.

PN 102 Practical Nursing 2......12 credits Prerequisite: PN 101 Classroom content continues the application of the nursing process and the practical nursing scope of practice in selected medical-surgical areas including care of patients with cardiovascular, endocrine, respiratory, gastrointestinal, and renal disorders, and care of the patient having surgery. Pain management and an introduction to mental health disorders are also included in this course. Skills taught this term include care of ostomies and nasogastric and small -bore feeding tubes, urinary catheter insertion, capillary blood sugar measurement, injectable and enteral medication administration, application of antithromboembolic devices, intravenous therapy (maintenance IVs- - hanging and programming rates), care of surgical drains, and suture removal. Clinical application of theory content will take place in the Simulation lab and in the acute care setting.

PN 103 Practical Nursing 3......13 credits Prerequisites: PN 102 Care of persons with cancer, other hematological, immune, mental health, and reproductive disorders; pediatric and obstetrical patients; end-of-life care. Trends in practical nursing; intravenous medications. Clinical applications in the simulation lab and in the acute-care and clinic settings. May be offered through Distance Learning.

PTA 280A Co-op Ed: First Clinical Internship......4-8 credits Prerequisite: PTA 104, PTA 104L, PTA 133 and PTA 133L Second year PTA students apply PT interventions under PT/PTA supervision at a contracted clinical site. Students progress toward advanced beginner and intermediate PTA practice by demonstrating communication and critical thinking for the workplace. This is the first of three offcampus clinical learning experiences.

PTA 280B Co-op Ed: Second Clinical Internship.......4-8 credits Prerequisite: PTA 280A Second year PTA students apply PT interventions under PT/PTA supervision at a contracted clinical site. Students progress toward intermediate and advanced intermediate PTA practice by demonstrating communication and critical thinking for the workplace. This is the second of three off-campus clinical learning experiences.

PTA 280C Co-op Ed: Third Clinical Internship......4-8 credits Prerequisite: PTA 280B Second year PTA students apply PT interventions under PT/PTA supervision at a contracted clinical site. Students progress toward entry-level PTA practice by demonstrating communication and critical thinking for the workplace. This is the third and final of three off-campus clinical learning experiences.

#### Nutrition

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617

FN 105 Nutrition for Foodservice Professionals ....... 3 credits Nutrient functions, food sources and guidelines are discussed as well as issues concerning those nutrients and the sustainability of our food system will also be explored. Some of the other topics include digestion, food allergies, vegetarianism, eating disorders, and religious eating traditions. May be offered through online.

FN 110 Personal Nutrition......3 credits Introductory class to develop skills for improving healthy eating choices. Students will evaluate media messages, food products and their own diet. They will learn healthy cooking techniques and share budget friendly recipes. Does NOT satisfy the nutrition requirement for health profession programs. May be offered online.

FN 130 Family Food and Nutrition......3 credits This course focuses on how to prepare and offer a variety of nutrient dense foods to families in an environment that helps family members develop a positive approach to eating. Nutritional guidelines are discussed for infants and the younger and older child. Ideas for menu planning and recipes are given. May be offered online.

This course presents the role of a variety of nutrients in maintaining a body that is healthy and that supports athletic performance. Skills are developed to create an eating and hydration plan to support athletic performance and to stay well-nourished. May be offered online.

FN 225 Nutrition.......4 credits Food sources, functions, and requirements of the major nutrients are discussed. Nutrient utilization, deficiencies, toxicities and their relationship to disease prevention will be covered. This course is designed for health profession majors. No chemistry prerequisite is required. May be offered online.

FN 245 Medical Nutrition Therapy folr Dietary Managers ...... 3 credits Prerequisite: FN 105 or FN 225This course focuses on Medical NutritionTherapy concepts within the scope of a dietary manager working within a skilled nursing facility. The content is designed to prepare students for their cooperative education experience, the dietary manager credentialing examination, and their professional careers

FN 255 Medical Nutrition Therapy......3 credits Prerequisite: FN 225 or FN 105. This course covers the fundamental principles of medical nutrition therapy for diseases including heart disease, diabetes, cancer, renal disease, and more. Class activities will discuss the purposes and procedures for culturally competent nutrition screening, documentation, education, and verbal communication. May be offered online.

Office Assistant - See Administrative Support

Paramedic - See Emergency Medical/Paramedic

**Parent Education - See Early Childhood Education** 

## Philosophy and Religion

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

## **Photography**

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101,541.463.5409.

 lens variations, film stock, digital output, and editing. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

# **Physical Education**

Also see Dance, Exercise and Movement, and Fitness and Life Style

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

able for our range.

may bring own racquet.

beginning bowlers and is held off campus.

214 Physical Education and improved confidence. Nutrition and stress management concepts will be introduced. PE 110 Walk Jog.....1 credits Emphasis is on a progressive walking program to develop, maintain and assess cardiovascular fitness, and muscle endurance. Instruction will include: joint flexibility, proper technique, training principles, injury prevention and nutrition. Health, Wellness, and Fitness concepts will be addressed. Instructor lead class using stationary cycles designed to improve cardiovascular endurance, enhance cycling skills and body mechanics. The class uses a variety of cycling specific body positions while providing lower level options for participants. Supplemental strength will also be introduced. Students are guided in creating a balanced, personal fitness program in a supportive and noncompetitive environment. Students attend exercise sessions to fulfill course requirements and meet personal fitness goals. All fitness levels welcome. PE 114 Fitness Education: Continuing/Returning...... 1 credits For students who have completed PE 183F and wish to continue their fitness program. Course opportunities include: personal training, fitness and health seminars, and fitness assessments. Students attend exercise sessions to fulfill course requirements and meet personal fitness goals. PE 115 Jogging......1 credits Emphasis is on a progressive jogging program to develop, maintain and assess cardiovascular fitness, and muscle endurance. Instruction will include: joint flexibility, proper technique, training principles, injury prevention and nutrition. Health, Wellness and Fitness concepts will be addressed. Students perform exercises with a stability ball focusing on increasing core stability muscular strength, endurance, flexibility, balance, and coordination. Light weights, resistance bands and weighted balls will be used during workouts. Nutrition and stress management concepts will be introduced. PE 117 Strength Training ....... 1 credits Emphasis on progressive resistance training using a variety of exercise modalities including barbells, dumbbells, resistance bands, body weight, and machines. Develop strength, muscular size, toning, and improve general physical condition. Proper technique and lifting programs will be discussed. PE 118 Power Conditioning......1 credits Prerequisites: Any of the sports classes This progressive, cross-training approach is designed to improve strength, flexibility and core stability. Resistance training using dumbbells, bands, body weight and machines will be introduced. Develop and assess strength, muscle and improved mental wellbeing. PE 119 Strength Training for women ...... 1 credits Emphasis on resistance training using a variety of exercise modalities. Develop and assess strength, muscular size, muscle definition, toning and improve general physical condition. Safe and proper technique, routines, programs, nutrition and stress management concepts will be addressed. PE 120 Archery .......1 credits Beginning and experienced students will learn safety, use of equipment, basic rules, etiquette, terminology and skill techniques to shoot at different size targets at various distances. All equipment

provided. If you have your own equipment, ask instructor if it is suit-

Learn badminton and improve fitness through skill drills and game

play. Footwork, grip, forehand and backhand shots, scoring, termi-

nology, etiquette, singles and double play, game strategy and rules

will be covered. Designed for all skill levels. Equipment provided, but

PE 124 Bowling ......1 credits

Instruction and practice in the fundamentals skills and techniques

used for both straight and hook deliveries will be covered. Rules,

scoring and etiquette will be addressed. This course is designed for

PE 125 Fencing Beginning ......1 credits Instruction in basic foil fencing skills, including offensive and defensive skills, rules, etiquette, judging, and bout experience. Class includes warm-up and stretching skills. PE 126 Golf Beginning......1 credits Beginning golf is an introduction to golf including short game, full swing and routines on the course. Rules and etiquette will also be introduced. Upon completion, the student will have enough working knowledge to start playing the game. Some rounds of golf are provided. A survey of diverse meditation techniques to enable students to find the appropriate methods for use themselves. Includes discussion and practice. Learn how movement, breathing, inner focus and nutrition contribute to stress reduction and improved weill-being. Beginning concepts of Yang style Tai Chi Chuan. Develop flexibility, relaxation and concentration. Improve balance, energy flow, breathing and coordination of body movement. Learn how nutrition contributes to improved wellbeing and stress reduction. Basic knowledge of asanas (postures), pranayama (breathing techniques), relaxation and yogic philosophy will be introduced. Includes both discussion and practice. Learn how movement, breathing and nutrition contribute to stress reduction and improved well-being. PE 137 Gentle Yoga......1 credits Learn gentle yoga postures, breathing and relaxation techniques. Designed for students who need modification of classical practice due to limited mobility or other special needs. Includes discussion and practice. Learn how movement, breathing and nutrition contribute to stress reduction. PE 138 Ballroom Dancing......1 credits Introductory course in basic ballroom dance forms Waltz, Foxtrot, Swing, and Rumba. Students will learn basic steps and proper technique, posture, balance and coordination. Students will learn how social dance contributes to an active lifestyle, improves confidence and well-being and reduces stress. PE 141 Swing Dancing .......1 credits Introductory course in single and triple-time East Coast swing. Students will learn basic steps and proper technique, posture, balance and coordination. Students will learn how social dance contributes to an active lifestyle, improves confidence and well-being and reduces stress. 3 on 3, 4 on 4 and 5 on 5 game play. PE 143 Flag Football ......1 credits

Emphasis on the basic fundamentals of the game and individual skills. Daily play and skill work to include footwork, dribbling, passing, shooting, 1 on 1 skills, and team play. Students will experience

Fundamental skills, rules, and strategy taught through team play. Skill practice and repetition will include passing receiving, and running plays. 1 and 2 point conversions will be covered. Modified NFL Air It Out rules will be used. Defensive strategies and techniques will be covered.

Instruction and practice in the fundamental soccer techniques, position play, offensive and defensive tactics, team formation and rules of the game. Individual skills and ball handling will be addressed. Team play may include 11 on 11 or mini-game play.

This co-ed game combines the passing and scoring of football, the cutting and guarding of basketball, and the non-stop movement of soccer. Students will learn basic frisbee handling skills utilized in game play. Discussion of rules, strategy, and terminology will be included.

PE 147 Volleyball ....... 1 credits Includes the fundamentals, rules, and strategy of volleyball. Develops specific skills necessary for successful recreational and/or competitive experience in volleyball.

PE 182A Scuba Diving ......1 credits Initial course covering necessary skills and knowledge for students not yet certified in scuba diving. Diving skills like buoyancy control, equipment usage and diver safety will be covered, resulting in a

PADI Open Water certification. Students are required to supply personal SCUBA mask and snorkel.

**PE 185Z Yoga Intermediate.......**1 credits Designed for continuing students who have a basic knowledge of asanas (postures), pranayama (breathing techniques), relaxation and philosophy. Includes discussion and practice. Learn how movement, breathing and nutrition contribute to stress reduction and improved well-being.

**PE 186H Handguns and Personal Safety......** 1 credits A fast-moving course with a fundamental training approach to the physical skills necessary to become a safe and accurate handgun user. Legal and ethical issues pertaining to handgun use and ownership are included. Meets Oregon and Utah qualifications for concealed carry weapons permit.

 to the game. Additional strategies and techniques will be discussed. Previous competitive playing experience recommended.

**PEAT 125 Basketball - Mens Conditioning 1.......** 1 credits A conditioning class designed for students interested in participating in competitive basketball. Strong emphasis on conditioning, endurance and fundamentals. Previous competitive playing experience recommended.

competitive basketball experience. Covers terminology, rules, strategy, conduct, sportsmanship and healthy lifestyle choices. Women's ball and Women's NCAA rules will be used. Previous competitive playing experience recommended.

PEAT 135 Track and Field - Women's Conditioning 1...... 1 credits A conditioning class designed for students interested in participating in competitive track and field. Emphasis on conditioning, development of fundamentals and skills. Previous competitive track and field experience recommended.

PEAT 136 Track and Field - Women's Skills 1 ...... 1 credits Theory, analysis, advanced skills and techniques for skilled performers and individuals who are preparing for a competitive track and field experience. Course covers terminology, regulations, and healthy lifestyle choices. Previous competitive track and field experience recommended.

PEAT 140 Track and Field - Men's Conditioning 1...... 1 credits A conditioning class designed for male students interested in participating in competitive track and field. Emphasis on conditioning, development of fundamentals and skills. Previous competitive track and field experience recommended.

PEAT 141 Track and Field - Men's Skills 1 ...... 1 credits Theory, analysis, advanced skills and techniques for skilled performers and individuals who are preparing for a competitive track and field experience. Course covers terminology, regulations, and healthy lifestyle choices. Previous competitive track and field experience recommended.

PEAT 145 Baseball - Men's Conditioning 1 ...... 1 credits A conditioning class designed for students interested in participating in competitive baseball. Emphasis on conditioning and development of fundamentals. Previous competitive playing experience recommended

PEAT 146 Baseball - Men's Skills 1...... 1 credits Theory, analysis, skills and techniques for skilled performers and individuals who are preparing for a competitive baseball experience. Course covers terminology, regulations, strategy, conduct, sportsmanship and healthy lifestyle choices. Previous competitive playing experience recommended.

PEAT 200 Cross Country Women's Conditioning 2 ...... 1 credits An advanced conditioning class that is designed for students interested in competitive cross-country running at the elite level. Strong emphasis on conditioning and endurance. Previous competitive cross country running experience highly recommended. Ability level evaluated first week with 5k endurance test.

PEAT 201 Cross Country Women's Skills 2......1 credits Prerequisite: PE191B or similar cross country running experience highly recommended. Theory, analysis, advanced skills and techniques for skilled performers and individuals preparing for a competitive cross country experience at the elite level. Course covers terminology, regulations, and healthy lifestyle choices. Ability level evaluated first week with 5k endurance test.

PEAT 205 Cross Country - Men's Conditioning 2 ...... 1 credits Prerequisite: PEAT 105 An advanced conditioning class that is designed for students interested in competitive cross-country running at the elite level. Strong emphasis on conditioning and endurance. Previous competitive cross country running experience highly recommended.

PEAT 206 Cross Country- Men's Skills 2 ...... 1 credits Prerequisite: PEAT 106 A highly advanced conditioning class that is designed for students interested in competitive cross country at the elite level. Strong emphasis on conditioning, exercise principles, and the development of fundamentals. Previous competitive cross country experience highly recommended.

PEAT 210 Volleyball - Women's Conditioning 2......1 credits Prerequisite: PEAT 110 A highly advanced conditioning class that is designed for students interested in competitive volleyball at the elite level. Strong emphasis on conditioning, exercise principles, and the development of fundamentals. Previous competitive playing experience highly recommended.

PEAT 211 Volleyball - Women's Skills 2 ...... 1 credits Prerequisite: PEAT 111 Theory, advanced skills and techniques for students preparing for a competitive volleyball experience at an elite level. Course covers terminology, rules, strategies, conduct, sportsmanship and healthy lifestyle choices. Previous competitive playing experience at the varsity highly recommended.

PEAT 215 Soccer - Women's Conditioning 2 ...... 1 credits Prerequisite: PE192I or similar experience. A highly advanced conditioning class that is designed for students interested in competitive soccer at the elite level. Strong emphasis on conditioning, exercise principles, and the development of fundamentals. Previous competitive playing experience highly recommended.

PEAT 216 Soccer - Women's Skills 2......1 credits Prerequisite: PEAT 116 or similar experience. Theory, advanced skills and techniques for students preparing for a competitive soccer experience at an elite level. Course covers terminology, rules, strategies, conduct, sportsmanship and healthy lifestyle choices. Previous competitive playing experience highly recommended.

PEAT 220 Soccer - Men's Conditioning 2 ...... 1 credits Prerequisite: PEAT 120 A highly advanced conditioning class that is designed for students interested in competitive soccer at the elite level. Strong emphasis on conditioning, exercise principles, and the development of fundamentals. Previous competitive playing experience highly recommended.

PEAT 221 Soccer-men's Skills 2...... 1 credits Prerequisite: PEAT 121 Theory, advanced skills and techniques for male students preparing for a competitive soccer experience at an elite level. Course covers terminology, rules, strategies, conduct, sportsmanship and healthy lifestyle choices. Previous competitive playing experience highly recommended.

PEAT 225 Basketball - Men's Conditioning 2...... 1 credits Prerequisite: PEAT 125 or similar experience. Advanced conditioning class designed for students interested in participating in competitive basketball at an elite level. Strong emphasis on conditioning, endurance and fundamentals. Previous competitive playing experience highly recommended.

PEAT 226 Basketball - Men's Skills 2 ...... 1 credits Prerequisite: PEAT 126 or similar experience. Theory, advanced skills and techniques for students preparing for a competitive basketball experience at an elite level. Covers terminology, rules, strategies, conduct, sportsmanship and healthy lifestyle choices. Men's ball and NCAA rules. Competitive playing experience highly recommended.

PEAT 230 Basketball Women's Conditioning 2 ...... 1 credits Prerequisite: PEAT 130 or similar experience. Advanced conditioning class designed for students interested in participating in competitive basketball at an elite level. Strong emphasis on conditioning, endurance and fundamentals. Previous competitive playing experience highly recommended.

PEAT 231 Basketball Women's Skills 2 ......1 credits Prerequisite: PPEAT131 or similar experience. Theory, advanced skills and techniques for students preparing for a competitive basketball experience at an elite level. Covers terminology, rules, strategies, conduct, sportsmanship and healthy lifestyle choices. Women's ball and NCAA rules. Competitive playing experience highly recommended.

PEAT 235 Track and Field - Women's Conditioning 2...... 1 credits Prerequisite: PEAT 135 or similar experience. Advanced conditioning class designed for students interested in participating in competitive track and field at an elite level. Emphasis on conditioning, development of fundamentals and skills. Previous competitive track and field experience highly recommended.

PEAT 236 Track and Field - Women's Skills 2 ...... 1 credits Prerequisite: PEAT136 or similar experience. Advanced course that covers theory, analysis, skills and techniques for individuals who are preparing for a competitive track and field experience at an elite level. Covers terminology, regulations, and healthy lifestyle choices. Previous competitive track and field experience highly recommended.

PEAT 240 Track and Field - Men's Conditioning 2...... 1 credits Prerequisite: PEAT 141 Advanced conditioning class designed for students interested in participating in competitive track and field at an elite level. Emphasis on conditioning, development of fundamentals and skills. Previous competitive track and field experience highly recommended.

PEAT 241 Track and Field - Men's Skills 2 ...... 1 credits Prerequisite: PEAT 141 Advanced course that covers theory, analysis, skills and techniques for individuals who are preparing for a competitive track and field experience at an elite level. Covers terminology, regulations, and healthy lifestyle choices. Previous competitive track and field experience highly recommended.

Physical Science - See Chemistry, Earth and Environmental Science, Physics

#### Physical Therapist Assistant

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Physical Therapist Assistant program to take these classes.

PTA 104L PT Interventions-Orthopedic Dysfunctions Lab......2 credits Prerequisites: PTA 132, and PTA 132L. Corequisite: PTA 104. This corequisite lab for PTA 104 allows students to practice clinical skills, tests, and measures for improving outcomes in patients/clients with orthopedic conditions. May be offered in a format with some online instruction.

 clinical situations. Emphases on current evidence and clinical reasoning for safe and effective selection of therapeutic exercises and interventions to improve peripheral joint motion and function as indicated within the physical therapy plan of care. May be offered online.

PTA 200 Professionalism, Ethics, and Exam Preparation ....... 4 credits Prerequisite: Admission into PTA Program, second year student. Corequisite: PTA 203. This course is designed to prepare the student physical therapist assistant (SPTA) for ethical situations that are common in the clinical setting. The course prepares the SPTA for the licensing exam and further professional development for entry into the workplace. May be offered online.

PTA 204 PT Interventions - Neurological Dysfunctions .......... 5 credits Prerequisite: PTA 104, PTA 104L, PTA 133, and PTA 133L. Corequisite: PTA 204L. This course is designed to assist PTA students in gaining a greater understanding of the various neurological challenges, including mental health, that affect clients in the PT environment. May be offered online.

PTA 204L PT Interventions - Neurological Dysfunctions Lab. 2 credits Prerequisite: PTA 104, PTA 104L, PTA 133, and PTA 133L. Corequisite: PTA 204. This co-requisite lab for PTA 204 allows students to practice clinical skills, tests, and measures for improving outcomes in patients/clients with neurological conditions. May be offered in a format with some online instruction.

PTA 205 PT Interventions - Complex Medical Dysfunctions .. 4 credits Prerequisite: PTA 104, PTA 104L, PTA 133, and PTA 133L. This course investigates physiological anomalies, clinical presentation and physical therapy treatment approaches for patients with complex medical conditions. Students advance clinical decision-making using case studies, treatment models, and evidence-based literature. May be offered online.

#### PTA 205L PT Interventions - Complex Medical

#### **Physics**

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

# ASTR 123 Cosmology and the Large-Scale Structure

 atomic nature of matter, and properties of solids, liquids, gases, and plasmas. The class environment includes labs, demonstrations, discussion, and individual and group activities.

### **Political Science**

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

inequality in the United States, the prison industrial complex, and a variety of social and environmental justice issues.

PS 275 Legal Processes Through Civil Rights and Liberties... 4 credits This course introduces students to basic concepts of the legal system by focusing on the civil rights and liberties of American citizens. Among the legal principles covered are how the court system is organized, the differences between civil and criminal law, and how court cases are appealed. Fundamental civil rights and liberties covered include the issues of free speech, unreasonable search and seizure, the right to counsel, the impact of the Patriot Act on these rights, the right to privacy including a woman's right to control her own body, freedom of religion, the separation of church and state, and the equal protection of the laws dealing with discrimination in America.

PS 280 Co-op Ed: Political Science .......2-12 credits Intern with governmental and political professionals. Work on political campaigns, assist federal/state/local legislators or work with grass roots organizations. Enhance your academic and career resumes, develop workplace skills and earn academic credit. No prior experience required; a one term commitment is required, but course can be repeated.

PS 280LW Co-op Ed: Pre Law .......2-12 credits This internship is for students anticipating a legal career. Learn and work with lawyers, legal assistants and other legal professionals in areas of legal administration, research, working with clients and the courts. A one term commitment is required, but course can be repeated.

#### **Psychology**

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

neurobiology and neurochemistry, and brain anatomy; senses and perceptual processes; states of consciousness. Basic principles and theories of behavior. May be offered online.

Radio - See Media Arts

Reading - See Study Skills and College Prep

Religion - See Philosophy and Religion

#### Respiratory Care

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Respiratory Care program to take these classes.

**Robotics - See Electronics** 

Sales and Marketing - See Business

Science - See Anatomy/Physiology/Microbiology, Biology, Chemistry, Earth and Environmental Science, Energy Management, Engineering, Physics

**Semiconductor Manufacturing - See Electronics** 

Social Science - See Anthropology, Criminal Justice, Economics, Geography, Ethnic Studies, History, Human Services, Humanities, Philosophy and Religion, Political Science, Psychology, Sociology, Women's Studies

#### Sociology

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541 463 5427

SOC 108A Selected Topics in Women's Studies, Women's Bodies, Women's Selves......3 credits

Throughout history, cultural views and practices regarding women's bodies have fundamentally affected women's experiences, position, and relative power in society. This class focuses on the embodied experiences of women, in what ways these experiences are socially constructed, and women's accommodation and resistance to those cultural constraints. Major areas of focus will include women's health, reproduction, sexuality, gendered violence, and body image, and will include cross-cultural information.

#### **Spanish - See Language Studies**

**Spelling - See Study Skills** 

in distance learning format.

#### **Student Leadership Development**

For information, contact the Student Life and Leadership Department, Bldg. 1/Rm. 206, 541.463.5337.

# SLD 103 Post-Racial America: Challenges &

#### SLD 111 Chicano/Latino Leadership 1:

SLD 112 Chicano/Latino Leadership 2: Cultural Heroes .......4 credits This class will explore the concept of cultural heroes within the context of the Chicano/Latino experience. We will identify socio-historic processes that serve to highlight or diminish Chicano/Latino cultural heroes. Students will discuss and create strategies in which to celebrate and honor Chicano/Mexicano, Latino, Hispanic and Caribbean cultural heroes in school and community events. In addition, this class will explore the contributions and achievements of Chicano/Latinos in the Americas. We will survey the Chicano/Latino historical presence in the social, economic, political and cultural landscape of the United States and identify socio-historic processes that serve to highlight or diminish Chicano/Latino contributions and achievements. A theory of transformation model will be a guiding theme of the class as students will be challenged to create a leadership that will transform the condition of the Chicano/Latino community.

#### SLD 113 Chicano/Latino Leadership 3:

#### SLD 121 African American Leadership:

SLD 280 Co-op Ed: ASLCC ......1-2 credits Intern with governmental and political professionals. Work on political campaigns, assist federal/state/local legislators or work with grass roots organizations. Explore potential career options, enhance your academic and career resumes, develop workplace skills and earn academic credit. No prior experience required; a one term commitment is required, but course can be repeated.

Studio Art Classes - See Art, Studio

#### Study Skills and College Prep

#### Also see Mathematics and Writing

For information about classes with course numbers that begin with:

CG - Contact the Counseling Department, Bldg. 1/Rm. 103, 541.463.5299.

EL and RD - Contact Academic Learning Skills, Center Bldg./Rm. 218, 541.463.5439.

**EL 113 Connections: Specific Study Skills......** 3 credits Corequisite: WR 093. Students will develop and strengthen their

critical reading, thinking, and writing skills. Together, EL113 and WR093 integrate these skills to prepare students for college-level writing.

#### **Television - See Media Arts**

#### **Theatre Arts**

For information, contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.5209.

**TA 121 Introduction to Costume Design......** 3 credits Student will learn basic sewing, costume rendering and execution of a design.

 study. No prior experience necessary. This course prepares students for continuing on in the Beginning Acting class sequence.

**TA 153 Theatre Rehearsal and Performance**......1-3 credits Consent of the instructor. Designed to provide practical application of classroom theory. Should be taken by participants in a theatrical production of this department scheduled for public performance.

society and the individual. No performing required. No materials to buy. Includes free attendance at local theatrical productions. May be offered online.

#### Tutoring

For information, contact Tutoring Services, Center Bldg./Rm. 210, 541.463.5783.

#### Video Production - See Media Arts

**Vocabulary - See Writing** 

#### **Water Conservation**

For information, contact the Science Division, Bldg. 16/Rm. 253, 541.463.3997.

IDS 280S Co-op Ed: Sustainability Coordinator......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of sustainability. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

WATR 210 Water Conservation: Industrial / Commercial.......4 credits Course focuses on retrofitting to increase wise water use. Emphasis of the class will be water use, waste, efficiency and auditing for Commercial, Industrial and Institutional (CII) sites. Topics include metering, sanitation, process water use, and heating and cooling systems. Concept of Industrial Ecology introduced.

WATR 220 Water Conservation:Program Development .........4 credits This capstone class explores the design, implementation, maintenance and evaluation of water efficiency plans and programs. Emphasis is on creating formal water conservation plans. Students learn how to make the business case for efficiency and how wise water use supports sustainability.

WATR 280 Co-op Ed: Water Conservation Technician.......3-12 credits This internship course offers work experience that integrates classroom theory with practical experience in the field of water conservation. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

#### **Watershed Science**

For information, contact the Science Division, Bldg. 16/Rm. 253, 541.463.3997.

measuring direction, length, area and slope; species counts and plant cover quantification. Students learn procedures for permanent plot installation and how to protect data integrity.

#### WST 222 Threatened and Endangered Species Field

Web - See Business and Computers: Introduction/ Information Systems/Computer Science

**Welding - See Fabrication and Welding** 

#### **Women in Transition**

For information, contact the Gender and Equity Center, Bldg.1/Rm. 202, 541.463.5353.

#### **Women's Studies**

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

SOC 108A Selected Topics in Women's Studies, Women's Bodies, Women's Selves......3 credits

Throughout history, cultural views and practices regarding women's bodies have fundamentally affected women's experiences, position, and relative power in society. This class focuses on the embodied experiences of women, in what ways these experiences are socially constructed, and women's accommodation and resistance to those cultural constraints. Major areas of focus will include women's health, reproduction, sexuality, gendered violence, and body image, and will include cross-cultural information.

#### Writing

For information about classes with course numbers that begin with:

ENG and WR087-097 - Contact Academic Learning Skills, Center Bldg./Rm. 218, 541 463 5439.

WR105-242 - Contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

Prerequisite: A passing grade in WR089 or WR090, a passing grade (C- or better) in English as a Second Language (ESL) College Transition Writing and Grammar F and College Transition Reading F and College Transition Listening and Speaking F, or placement by the LCC Accuplacer or Accuplacer ESL, or recommendation of the instructor. Corequisite: EL113. This course develops English language learners' advanced competence in essay writing and prepares students for WR115. Students will demonstrate control and understanding of the writing process: generate and organize ideas, write drafts, revise, and edit paragraphs and multi-paragraph essays. Students will learn to recognize and correct grammatical errors in their writing. Students will also learn advanced grammatical concepts and produce essays that reflect that knowledge. Students will also use critical reading skills to analyze essays and improve their own writing. Students will submit papers using word processing software.

WR 105 Writing for Scholarships......2 credits Prerequisite: WR 115 or placement test. Central to "Writing for Scholarships" is your involvement in the classroom community. In other words, a key to success in this course is active participation. This course functions as a support system, encouraging you to develop your ideas and writing skills beyond the classroom. First, you will learn to present your self-inquiry in the form of effective scholarship essays. Then, you will include these essays in a scholarship application to the Oregon Office of Student Access and Completion (OSAC) and, optionally, another scholarship application of your choice. This course focuses on prewriting, descriptive writing, organizational strategies, sentence fluency, concision, and, importantly, revision. It is not uncommon for students to rewrite their essays multiple times after starting over. We will look at scholarship essays from former WR 105 students who have earned scholarships, to define what works and to employ working techniques in current assignments. Your writing will be your own, and yet you may draw upon campus resources and the community experience to facilitate your leaps in learning. We will collaborate and consider each essay together, to determine how to communicate your personal experiences such that they inspire you and touch the lives of others. NOTE: This two-credit writing course will not count toward a WR 115/115W, 121, 122, 123 or 227 writing course.

 writing process to produce projects for a variety of purposes and audiences, across more than one genre. Reading, writing, and critical thinking activities will focus on inquiry and the development of the metacognitive awareness of individuals as writers. Students will produce one formal essay of 700-800 words and a total of 2000-2500 words of revised, final draft copy over the term that incorporate source material and practice MLA citation and attribution conventions.

#### WR 115W Introduction to College Writing: Workplace

Emphasis......3 credits Prerequisite: Appropriate scores on Lane's Writing Placement Test or a passing grade (C- or better) in WR 093, WR 095, WR 97, or equivalent. WR 115W introduces students to the expectations of collegelevel reading, thinking, and writing. Students will be introduced to rhetorical concepts and engage in a collaborative writing process to produce projects for a variety of purposes and audiences, across more than one genre. Reading, writing, and critical thinking activities will focus on inquiry and the development of the metacognitive awareness of individuals as writers. Students will produce a variety of assignments across multiple genres such as job letters, essays, technical reports, for a total of 2000-2500 words of revised, final draft copy over the term; at least one of the compositions will incorporate source material and practice attribution conventions. Courses may include multimodal projects. This course fulfills writing requirements for some Lane programs. Note: This three-credit writing course will not count as a prerequisite for WR 121.

WR 121\_H Academic Composition ......4 credits Prerequisite: Appropriate scores on Lane's Writing Placement Test or a passing grade (C- or better) in WR 115. This honors class delves deeper into course topics and requires a high level of student motivation; the pace may be faster than non-honors courses. See lanecc. edu/honors for information. This fundamental course for all writing students introduces students to the conventions of academic writing. It emphasizes defining and developing a significant topic and using principles of clear thinking to support an assertive or argumentative thesis. Students will gain an understanding of their subject matter, audience, purpose, and point-of-view, and demonstrate that understanding through the organization and development of their essays. Students will learn how to analyze and evaluate other writers' work to sharpen their critical abilities as readers and writers. The course also introduces students to skills in source analysis, documentation, and beginning research methods. May be offered online. This course also meets Lane Degree requirements that are fullfilled by the same course number without the H.

WR 122 Argument, Research and Multimodal Composition . 4 credits Prerequisite: A passing grade (C- or better) in WR 121. WR 122 continues the focus of WR 121 in its review of rhetorical concepts and vocabulary, in the development of reading, thinking, and writing skills, along with metacognitive competencies understood through the lens of a rhetorical vocabulary. Specifically, students will identify, evaluate, and construct chains of reasoning, a process that includes an ability to distinguish assertion from evidence, recognize and evaluate assumptions, and select sources appropriate for a rhetorical task. Students will employ a flexible, collaborative, and appropriate composing process, working in multiple genres, and utilizing at least two modalities. They will produce 3500-4500 words of revised, final draft copy or an appropriate multimodal analog for this amount of text. Students will produce at least one essay of a minimum of 1500 words, demonstrating competence in both research and academic argumentation.

#### WR 122\_H Argument, Research and Multimodal

#### Zoology - See Biology

# **Continuing Education**

Many of the college's academic and student services are available to all students. Examples include Career and Employment Services, Counseling, Disability Resources, and the Multicultural Center. For complete information about these resources, see the Academic and Student Services section in this catalog.

**Registration, Costs and Payment Methods** To learn about registration, costs and payment methods for these training opportunities, consult the current class schedule or call the program of interest. For information about credit and refund policies, see the Tuition, Fees, Financial Aid, and Payment section in this catalog.

# **Continuing Education**

Continuing Education offers hundreds of noncredit courses each term in career and technical (vocational) training, employment training, computers, consumer/money, art, music, foreign language, home/house/garden, health and health occupations, human development, recreation, outdoor programs, and general interest areas.

Continuing Education offers short-term training and upgrading for a wide range of professional fields. In some cases, students can earn continuing education units, industry certification, or meet state and/or national professional examination preparation requirements. A few of the current noncredit technical trainings available through Continuing Education are described in this catalog, Continuing Education Class Schedule and the quarterly web class schedule.

Enrollment in most courses is open to any interested person over 16 years of age. A list of course offerings and registration information is included in the Continuing Education Class Schedule, mailed each quarter to area residents. The Continuing Education Class Schedule also is available on the main campus, at the Downtown Campus, at the Cottage Grove center, and at *lanecc. edu* prior to the beginning of each term.

Tuition and fees for noncredit classes are published in the Continuing Education Class Schedule and on the web class schedule.

Instructors have expertise in the subjects they teach. People interested in teaching an Continuing Education course may contact a coordinator at the Continuing Education office at the Downtown Campus or call 541.463.6100.

# Continuing Education's Accreditations, Certificates and Affiliations

- Alcohol Servers Permit, certified by the Oregon Liquor Control Commission
- Community Health Worker Certification, approved by Oregon Health Authority
- Flaggers Permit, credential through Oregon Department of Transportation
- Licensed Massage Therapists, approved by Oregon Board of Massage Therapists
- Nursing Assistant 1 authorized testing center, Headmaster approved
- Nursing Assistant I and II Certification, approved training by Oregon State Board of Nursing
- PharmacyTechnician Certification, PharmacyTechnician Certification Board
- Phlebotomy Certification, American Society of Clinical Pathology
- Real Estate Broker and Property Management License, approved by the Oregon Real Estate Agency

# **Continuing Education Career Training**

Community Health Worker Certification Training The Community Health Worker will play an increasing important role in helping Oregon's healthcare system. The Community Health Worker is at the forefront in advocating for, engaging and couching patients to improve long-term health behaviors and increase rates at which patients follow treatment protocols.

The Community Health Worker certification training will be a supplemental certification for incumbent healthcare workers in established jobs that are similar to, though differentiated from, Community Health Workers, such as Homecare Worker, Certified Nursing Assistants, Licensed Practical Nurse, Medical Assistant, Paramedic or Physical Therapy Assistants.

**Computer Training** From mastery of individual software programs to specialist certifications, the college offers a broad range of computer learning opportunities. offerings include skill building in Windows operating systems, presentation, word-processing, and desktop design software, including AutoCAD, web programming, and database creation and application. Many computer trainings are available online.

Massage Therapy Pre-licensure This training is designed to prepare students to sit for the Oregon State Board of Massage Therapists Licensing Exams and has been approved by the Oregon Board of Massage Therapists. The training also provides hours toward continuing education for LMTs. Students must successfully complete required courses of anatomy and physiology, kinesiology and pathology, applied massage, communication and ethics, professional practices, labs and clinical. Contact hours and program content are subject to change. For current information, visit lanecc.edu/ce.

**Nursing Assistant** This training provides 150 hours of instruction in basic nursing procedures. It includes theory and clinical hours. Upon successful completion, students may sit for the Oregon State Board of Nursing (OSBN) certification exam. The program is OSBN approved. For more information, visit *lanecc.edu/* 

**Phlebotomy** Upon completion of two courses, Phlebotomy I and Phlebotomy II, and one year of work experience, students are eligible to sit for the ASCP national PhlebotomyTechnician Certification exam. This program is offered two times per year. The first session begins fall term, and the second session begins spring term. For more information, visit *lanecc.edu/ce*.



# **English as a Second Language Department**

The English as a Second Language (ESL) Department provides instruction for adult non-native English speakers seeking to improve their oral and written communication skills for work, community involvement, academic, or personal goals. Courses are designed to help students with everyday communication, as well as with the transition to work or to other training and/or academic programs, including credit and noncredit programs in community colleges or universities.

This noncredit program enrolls resident and international students from all over the world. All classes are culturally diverse, and all instruction is conducted exclusively in English. This program provides instruction at all skill levels, with classes that focus on grammar, reading, writing, oral communication skills, digital literacy and workplace and academic skill development. Daytime classes are offered at both the Main Campus five days a week and the Downtown campus three days a week. Evening classes are offered at the Downtown Campus two and three days a week. There is no minimum skill level to enroll in ESL classes.

**Admissions** Students who reside permanently in the U.S. are admitted directly through the ESL Department office. The admissions process begins with an enrollment meeting in the ESL office, which students can schedule in person or by phone.

International students on a visa are admitted through the International Programs Office. For more information on the international student admissions and application process, please visit *lanecc.edu/international*.

**Testing, Placement and Registration** New resident students must take an English level placement test. Students can register immediately after testing is completed.

New international students complete required placement testing either before arriving in the United States or during the International Programs student orientation. Upon completion of placement exams, students are registered for recommended levels.

For more information, contact the ESL Department office at 541.463.5253.

#### Locations

#### **Main Campus**

4000 East 30th Ave, Building 11, Room 201 Eugene, OR 97405

**Downtown Campus** 

101 West 10th Ave., Room 203 Eugene, OR 97401

### **Programs**

Intensive English Program (Main Campus) The Intensive English Program (IEP) is a full-time English study program offered during the day Monday-Friday. It is divided into six proficiency levels and is designed to serve all non-native English speakers from absolute beginners with basic literacy, vocabulary, and pronunciation needs to advanced learners preparing to enter higher-level academic programs. The levels (A-F) are further subdivided by skill type (reading, listening, speaking, and writing/grammar), and each level is designed to prepare students for success in the subsequent level after one term of study.

ESL Bridge to Credit: As part of the The Intensive English Program, students enrolled in the ESL Bridge to Credit are enrolled as full time Level E or Level F students. Students in this program take two ESL classes jointly with one 4 credit class.

This program offers students with an accelerated model for transitioning from ESL to credit bearing programs. Students who successfully complete (C- or better) all skill classes in Level F are automatically eligible for entry into the LCC credit program. Each level in the IEP is represented by 2-3 courses that constitute between 5-20 hours of ESL class time per week.

Level	Class Title	Class focus	Hours per week
A	Basic Com- bined Skills	Students learn to practice new vocabulary in writing and speaking, increase listening and reading skills and strategies, and recognize and pronounce the most common English words.	10
	Reading and Writing	Students learn to write basic sentences with grammatical accuracy, fill out forms, practice new vocabulary in writing, and increase reading skills and strategies.	10
	Writing and Grammar	Students learn to write a well-organized infor- mational paragraph with basic sentences and practice new vocabulary in writing.	10
В	Reading and Oral Skills	Students learn to recognize and pronounce common academic English words and develop vocabulary. Students also read informational texts for fluency and comprehension.	10
0	Writing and Grammar	Students learn to write well-developed, evidence-based narrative and informative paragraphs, improve spelling and grammatical accuracy, and practice new vocabulary in writing.	10
С	Reading and Oral Skills	Students learn to comprehend and use academic vocabulary in spoken English and improve pronunciation. Students also read moderately complex informational texts for fluency and comprehension.	10
		Students learn to write paragraphs and short essays on basic processes and problem solution in community and academic contexts using new vocabulary.	
D	Reading and Oral Skills	Students learn to develop and pronounce more advanced phrasal and academic vocabulary. Students also read moderately complex academic and informational texts for fluency and comprehension.	10
	Writing and Grammar	Students learn to write evidence-based cause- effect and comparison-contrast, essays and practice new vocabulary in writing.	10
E	Reading	Students learn strategies for reading and understanding academic texts more effectively, develop academic vocabulary, and increase reading speed.	5
	Listening and Speak- ing	Students develop accuracy and organization in spoken English and increase listening skills in a variety of academic contexts.	5
F	Writing and Grammar	Students learn to recognize errors in writing; write with the composition skills, appropriate rhetoric, fluency, and vocabulary necessary to communicate authentic academic writing tasks; use various research tools; and cite research in an academic context.	10
	Reading	Students learn to effectively read and under- stand complex academic texts, develop vocabu- lary, and increase reading fluency.	5
	Listening and Speak- ing	Students develop an advanced level of accuracy and organization in spoken English and increase comprehensive listening skills in a variety of academic contexts.	5

E Bridge	Reading and Writing	ESL students advance their college credit course work while continuing to receive ESL support by taking a credit-level class and skills-integrated, noncredit ESL classes simultaneously	8
to Credit			
F Bridge to Credit	Reading and Writing		7
	ESL Oral Skills		5

Community English Program (Downtown Campus) The Community English Program is a part-time ESL study program. Students enrolled in the CEP may choose to take face-to- face only classes offered exclusively in the evenings or take a blended online/face-to- face course offered both in the daytime and evening.

Face-to- face only classes are divided into six combined-skills proficiency levels and two literacy skills classes and is designed to serve non-native English speakers seeking more community involvement through English skills. These classes serve students ranging in skill from absolute beginners to high intermediate. The main levels (0-5) integrate all language skills (reading, listening, speaking, writing/grammar), and each level is designed to prepare students for success in the subsequent level after three terms of study. The literacy classes focus only on developing reading and writing skills and are not part of the sequential combined skills portion of the program. Courses in this offering meet for 5 hours per week.

The blended online/Face-to- face classes are designed for students at the high-beginning/low-intermediate level and provide students with 14 hours of combined weekly instruction. Students completing the CEP program are prepared to enter Adult Basic Skills courses, the Intensive English Program, or vocational training.

Level	Class Focus	Hours per week
0	Students learn to communicate in situations related to immediate needs, simple oral communication, read and write letters and numbers, and recognize a limited number of basic words and phrases related to immediate needs.	5
1	Students learn to communicate in situations related to immediate needs, use basic phrases and sentences, and improve basic vocabulary about personal information.	5
2	Students learn to speak and write basic sentences in present tense and begin to communicate about the past, and develop basic vocabulary about community life.	5
3	Students develop basic conversational skills, learn to read and write vocabulary related to personal interests and some high-frequency academic words, and begin to implement paragraph structure in writing.	5
4	Students learn to speak and write extended explanations with compound and complex sentences; develop more advanced vocabulary; revise and edit writing; develop phrasal vocabulary; and recognize and use present, past, and future tenses; and develop civics knowledge.	5
5	Students learn to write narrative and informational para- graph styles using a variety of verb tenses, understand and use everyday and academic vocabulary, and develop civics knowledge.	5
Funda- mentals of Literacy	Students learn to develop reading and writing skills to match their higher-level oral skills in order to prepare to enter combined skills levels 1-3.	5
Elements of Literacy	Students learn to develop reading and writing skills to match their higher-level oral skills in order to prepare to enter combined skills levels 2-4.	5
ESL Hybrid Course	This course is a blended online and face-to-face class that allows busy adults to quickly improve their language skills. Students complete their coursework on-line and meet 3 days per week in the classroom. Morning and evening	
Face-to- face		
Online	schedules are available.	7

# **Adult Basic and Secondary Education**

Lack of basic skills is often a barrier to getting or keeping a job. The ability to read, write and compute at the 9th grade level is now the minimum required for entry-level employment. Higher paying jobs and employment in the 21st century will require higher level basic skills plus new skills such as computer literacy, problem solving, teamwork, and learning to learn.

**Admission Requirements** All students must be 18 years of age or older, have a referral from the local public school district if 16 or 17 years of age, or have homeschool release and verification of current homeschool registration from ESD. (This applies to inschool and out-of-school youth. The decision to release a student is made by local school district officials in accordance with Oregon Revised Statutes and local school district policy).

**Admission Procedures** Class locations, orientation and registration information are available on the department website at *lanecc.edu/abse*. For more information, call 541.463.5214.

Many of the college's academic and student services are available to all students. Examples include Career and Employment Services, Counseling, Center for Accessible Resources, and the Multicultural Center. For complete information about these

resources, see the Academic and Student Services section in this catalog.

**Registration, Costs and Payment Methods** To learn about registration, costs and payment methods for Adult Basic and Secondary Education, consult the department website at *lanecc. edu/abse* or call 541.463.5214.

#### **Adult Skill Development**

Adult Skill Development offers a variety of pre-college level alternatives for adults who need to brush up on basic reading, writing, or math skills for work, college entrance or passing the GED exam.

Class times are offered during the day and evening in many locations in Lane County. All new students must attend an orientation session.

# **General Education Development (GED)**

Lane Community College offers classes to prepare teens and adults to take the GED exam. Preparation is offered in all four test areas: social studies, science, language arts, and math. The structure of classes differs from location to location and offers a combination of small group instruction, individual attention and practice testing.

The official GED tests can be taken in Testing Services on main campus.

### **Core College Classes**

Lane's Adult Basic and Secondary Education (ABSE) department provides tuition-free core college classes that will help you:

- Prepare for or improve score on Lane Community College placement tests.
- Develop reading comprehension skills and strategies
- Renew or increase math skills
- · Develop writing and grammar skills

# **Community Services**

# **CENTER for Meeting and Learning**

Now offering two event venue locations to serve campus, community and regional events of all types! CENTER at Main Campus offers 10+ breakout rooms and a versatile banquet/ballroom dividable into three separate rooms or used as one large event space for seating up to 600. CENTER at Downtown Campus offers a newly built LEED Platinum Certified event space with a banquet/ballroom dividable into three separate rooms or used as one large space for seating up to 200. Both locations have extensive Audio Visual equipment options and complimentary wifi throughout. The CENTER offers full service catering at either location with a focus on sustainable practices, menu customization, dietary accommodations, and use of local, seasonal ingredients harvested seasonally from our on-site Learning Garden. Culinary Arts and Hospitality Management students have the opportunity to work side by side with the CENTER's professional staff in a learning lab environment. For information about catered events, see Lane Catering.

Call 541.463.3500 or visit *lanecc.edu/center* to schedule your events.

# Community Center for Family Counseling

Counseling and Continuing Education at Lane sponsor the Community Center for Family Counseling, informally known as Saturday Circus. Email Laura Jones at <a href="mailto:jones/education.com/">jones/education.com/</a> Saturday Circus. Email Laura Jones at <a href="mailto:jones/education.com/">jones/education.com/</a> saturday Circus.

Noncredit learners (at no charge) can attend parent education/ child guidance sessions at the Saturday Circus, 9 a.m. - noon, Saturdays (Thursdays or Fridays in the summer) at Lane's Downtown Campus. Participants can view family counseling sessions that illustrate principles and skills for improving relationships with children and participate in exercises and discussion. An advanced noncredit class (CG 212) at no charge helps participants refine implementation of principles and skills. Childcare for children age three (and out of diapers) through elementary school age is available upon arrangement.

A credit class is also available. Each term the Improving Parent-Child Relationships telecourse (CG 213) combines real-life, inhome interactions between parents and children with segments of interviews in which a counselor discusses with parents the application for principles and skills for improving relationships. Telesessions are cablecast as well as available at the main campus Library and outreach centers.

# English As A Second Language See page 228.

# KLCC-FM Radio klcc.org

KLCC 89.7 FM, NPR for Oregonians, is a listener-supported public radio station licensed to Lane Community College serving over 88,000 people in the Eugene/Springfield area and western and central Oregon each week. KLCC provides NPR news, local

and regional news, plus talk and entertainment. Weekends offer a wide world of intelligent music including jazz, folk, blues, world beat and Americana.

Broadcasting 24 hours a day with 81,000 watts of power, KLCC is operated by a professional staff and volunteers from the community. It is funded by the Corporation for Public Broadcasting, Lane Community College, the business community, and the listening audience. KLCC is a charter member of NPR and consistently ranks among the top five public stations in the country for market impact.

# **Family Connections**

Family Connections is a community-based child care resource. For more information, see the Academic and Student Services section in this catalog.

### **Lane Catering**

Experience "culinary excellence" when booking your catered events with Lane Catering. Lane Catering offers full catering services delivered anywhere in Eugene/Springfield and surrounding areas with a focus on sustainable practices, menu customization, and use of local, seasonal ingredients harvested seasonally from our on-site Learning Garden. Culinary Arts and Hospitality Management students have the opportunity to work side by side with Lane Catering's professional staff in a learning lab environment. We welcome and specialize in accommodating all dietary requirements. Call 541.463.3500 or visit lanecc.edu/catering to schedule your catering.

# Library

The Library provides resources for students, faculty, staff, and community residents. For more information, see the Academic and Student Services section in this catalog.

### Music, Dance and Theatre Arts

The department presents concerts and performances available to the community. For information, see the Academic and Student Services section in this catalog.

# **Specialized Support Services**

Specialized Support Services (S3) provides vocational training and employment supports to adult students who experience intellectual and developmental disabilities and have intensive support needs. S3 offers individual and small group instruction and experiential learning opportunities that address social skill development, on-the-job training, and employability skill enhancement in integrated settings with competitive employment as a goal. Supported employment and retention services also are available.

Work experience opportunities are provided through inter-department agreements throughout the college that include recycling, waste management, custodial and housekeeping, confidential shredding and food services.

Contact 541.463.5101 or visit lanecc.edu/sss for more information.

### **The Senior Companion Program**

The Senior Companion Program is sponsored nationally by the federal Corporation for National & Community Service and locally by Lane Community College. Senior Companions help frail seniors and adults living with disabilities overcome loneliness and retain their independence through 1:1 friendly visits, and assistance with simple chores and transportation. Working in collaboration with 20+ agencies throughout rural and urban Lane County, Companions provide visits and transportation to hundreds of clients annually. Companions must be age 55+, have a limited income, and serve clients 15-40 hours/week. They receive a tax-free hourly stipend of \$2.65, some reimbursement for meals and mileage, and comprehensive ongoing training. Those interested in becoming Companions are invited to apply, pass a criminal background check, and participate in a week-long preservice training. For more information, call 541.463.6260 or visit lanecc.edu/scp. (The Senior Companion Program does not link Companions with clients directly. Please contact Senior & Disabled Services at 541.682.3353 if you would like to receive the services of a Senior Companion.)

# **Business and Workforce Development**

# **Small Business Development Center**

Small Business Development Center

The Lane Community College Small Business Development Center is the premier provider of real world business and entrepreneurial education, advising and mentoring for small businesses in Lane County, leading to increased employment and revenue growth in our communities.

Our knowledgeable advisors provide confidential one-on-one business advising at no cost. As our client, you gain access to powerful research tools and insights that are often reserved for much larger companies due to their prohibitively high price. Because knowledge is power, we provide training from basic workshops to advanced courses from world-class providers in a variety of business disciplines.

The Lane SBDC is also a member of the Association of Small Business Development Centers. The Lane SBDC is located at the LCC Downtown Campus at 101 West 10th Avenue, Ste. 304, Eugene. Business hours are from 9 am to 5 pm, Monday-Friday • Phone number is 541.463.6200 • Website is LaneSBDC.com • Facebook is facebook.com/LaneSBDC • LinkedIn is Lane Small Business Development Center.

Whether your business has been in existence for a hundred years, or is just starting out, the Lane SBDC has the specialized tools and the right expertise to help you find success.

# Small Business Management (SBM) Program and Specialized Services

It's Our Business to Help Grow Lane County's Small Businesses.

# Small Business Management (SBM) Programs

The Small Business Management Programs are the cornerstone of the multiple support services offered by the Lane SBDC to both new and existing businesses. These programs help to build businesses by introducing and then reinforcing key concepts over a period of time. Clients learn with a cohort of peers, customized classes and one-on-one coaching, while getting the support, tools and resources necessary for immediate results.

#### **SBM Year One • Foundations**

The SBM Year-one cohort meets for 15 classes over nine months during the year. Personalized one-on-one coaching throughout the year is also included. SBM Foundations consists of the following three modules: • Marketing: This module delivers results. Learn to jump start your business through marketing. Create solid marketing ideas and a plan of action that will improve sales

and grow your business. • Financial: Lead your company to a successful financial future. Build knowledge and gain necessary skills to examine and understand business financials. • Operations: Focus on core operations to create a successful enterprise. Develop a short-term plan to manage employee workflow and also learn to create future growth models for long-term planning. Explore the legalities of operating a business.

### SBM Year Two • Systems

Focus on growing your business through understanding, creating and implementing systems within your business. With solid systems and processes in place, owners can choose to work or choose not to. The year two cohort meets for a series of 10 classes over a 10-month period. Class topics include: Strategic Planning • Plan/Do/Check/Act • Introduction to "The E-Myth" • Project Management 101 • Performance Evaluations and Development • Financial Statement Strategies and Ratios • CRM Systems and Solutions • Systems Thinking and Process Improvement • Leadership and Ethics • Advertising and Public Relations • Class Customized Topics.

# **SBM Year Three • Employee Management**

Year three is designed for business owners who have completed years one and two of the SBM program. Business owners work on mastering earlier concepts, while using new materials to fine-tune operations. Upon completion of year three, qualified business owners will receive a certificate of recognition. The year three cohort meets for a series of 10 classes over a 10-month period. Class topics include: Personality Profiles and Management - DISC Assessment • Facilitation and Brainstorming • Effective One-On-Ones • Effective Feedback and Coaching • Employee Reviews and Development • Interviewing and Employee Retention • Employment Law • Job Descriptions and Delegation • Leadership/Ethics • Class Customized Topics.

# Small Business Management (SBM) • Alumni

This ongoing education and support program embraces the whole lifelong learning notion that is the foundation of the Small Business Management (SBM) program. Open to graduates of the three-year SBM program, Alumni members can drop into any current SBM cohort, get additional one-on-one business coaching, plus attend the Alumni-only "Lunch and Learn" meetings. This is the best way for SBM graduates to keep their skills fresh, their contacts growing and their businesses on the right path.

### **Employee Management**

Also offered as a stand-alone program, Employee Management is designed for business owners, employees or managers in larger organizations who want to improve their skills interacting with employees and for those who want to work on mastering employee management concepts. This program is also part of the SBM year-three cohort and meets for a series of 10 classes over a 10-month period. Class topics include: Personality Profiles and Management–DISC Assessment • Facilitation and Brainstorming • Effective One-On-Ones • Effective Feedback and Coaching • Employee Reviews and Development • Interviewing and Employee Retention • Employment Law • Job Descriptions and Delegation • Leadership/Ethics • Class Customized Topics

# **SCALE Oregon**

The SCALE Oregon program helps existing, traded-sector businesses reach the next level of their business through a combination of specialized services and expert business mentoring and advising.

Whether a traded-sector business is pursuing new markets or improving operational efficiencies, sustaining growth is fundamental to success. SCALE Oregon's highly experienced advisors have been there themselves, and they have the wisdom to help your business thrive.

SCALE services are focused on providing a comprehensive approach to strategic assessment and tactical business development that promotes rapid, sustainable growth by leveraging a variety of different services to maximize the client's benefit.

The SCALE Oregon program is limited to traded-sector companies with a demonstrated growth in sales, profit or employment in three of the past five years. This program is for established companies.

Program requirements: Oregon traded-sector company • \$1 m+ annual gross sales • 10 or more employees • Demonstrated growth in three of the past five years.

### **SCALE Express**

The SCALE Express program helps existing, traded-sector businesses reach new heights through a combination of expert mentoring and services designed to tackle challenges specific to traded-sector companies.

Expert advisors work with the leaders of a company to assess business challenges and opportunities and create a plan to address the key issues in the company. This comprehensive approach to strategic assessment and tactical business development promotes fast, sustainable growth.

SCALE Express advisors have the expertise to understand your business and the challenges and opportunities of running a successful traded-sector business. Advisors are experienced business professionals who have run successful companies and are here to help.

The SCALE Express program is limited to traded-sector companies in rural communities with demonstrated growth in sales, net profit or net employment in the past two years.

Serving Oregon's rural traded-sector companies that are ready to grow. Program requirements: Five or more employees • \$500,000 or greater annual revenue •Year over year growth in the past two years •Traded-sector company • Scalable and ready for rapid growth

# **Training for Businesses at Every Stage**

### Ready, Set, Start Your Business

Begin your business the right way! Cover the basics in two hours and decide if running a business is right for you. We recommend attending this class before scheduling your first advising appointment.

#### **Your Business Plan Accelerator**

Committing your idea to paper in the form of a business plan not only increases your chances of obtaining financing, but keeps your business strategically focused. This innovative new class is the only one in the area providing participants with the support and software needed to successfully complete a business plan and be ready to pitch a business idea to lenders. Instructor and peer support will guide you through all of the components of completing a business plan. All class participants receive three months of free LivePlan® software created and provided by local Eugene company, Palo Alto Software, Inc.

#### **Human Resources**

Knowledge of the basics of human resources (HR) practices can improve on-the-job effectiveness, protect your business from needless and costly litigation, keep your organization more competitive in today's economy, and advance your career. The SHRM-CP® or SHRM-SCP® credentials make you a recognized expert in the HR field. This material is designed for entry-level HR professionals, small business owners, managers responsible for the HR functions in their companies, as well as anyone looking for a possible career change. Human resource management training in the Lane County area is provided through a partnership with the Society of Human Resource Management, the Lane SBDC and the LCC Customized Training Department (CT).

SHRM-CP® and SHRM-SCP® Test Preparation The SHRM Learning System delivers the most effective SHRM-CP® and SHRM-SCP® certification preparation. Learning modules and study tools teach you everything you need to prepare for your SHRM-CP®/SHRM-SCP® certification exam. • SHRM Essentials® of HR Management Developed by leading HR experts and legal counsel, the SHRM Essentials covers a wide range of introductory HR topics in a condensed, straightforward format. Up-to-date, easy-to-understand content ensures that you master HR concepts and can apply them to everyday situations and issues.

# **Workshops and Classes for Businesses**

Investing in ongoing entrepreneurial training is vital to long-term business success. Consider your refined business skills as your most valuable asset. Stay current on industry trends and regulations while learning how to respond to changes in your market. Each term provides a variety of in-depth classes and workshops conducted at varying times throughout the day and evening. Visit LaneSBDC.com for details and to register. Class topics are: Business Planning and Development • Communications and Leadership • Contractors Certification • Market Research, Marketing and Social Media • QuickBooks Concepts for Business • Record-keeping and Payroll Processing.

# **No-Cost Business Advising**

We offer access to confidential, no-cost professional business advising for Lane County residents who want to start or grow their business. Our business advisors have the knowledge and tools to help start up, emerging and growing businesses. Business Advising is provided by appointment only.

Our advising expertise focuses on areas that are vital to accelerating the growth of businesses such as: Strategic Market

Research • Business and Strategic Plan Development • Market and Revenue Growth Strategy Development and Implementation • Capital Access and Loan Packaging • Financial Analysis and Assessment • Accounting Systems and Financial Literacy • Feasibility Analysis and Start-up Assistance • Marketing and Branding • Technology Improvement • Digital Marketing and Social Media • Website Development and Search Engine Optimization

#### **Resources and Tools**

As our client, you will gain access to powerful research tools and insights that are often reserved for much larger companies due to their prohibitive cost. You can utilize numerous valuable resources and tools to assist new and existing business in reaching their goals, such as: Online Resources • SBA Supplied Information and Resources Oregon State Information on Doing Business In Oregon • Construction Contractors Board Self Study Guide • Local Resources and Agencies in Partnership with SBDC.

#### The Lane SBDC Team

We are a team of highly experienced professionals and business advisors who have developed expertise in Government Contracting and Procurement • International Business Development and Trade • Online Marketing, Social Media • Web Development • Finance and Access to Capital • Business Operations • Marketing, Branding and Communications and much more! Find out more about our advisors and instructors on lanesbdc. com/about-us/.

Contact Us for Assistance at:
LaneSBDC.com
541-463-6200
310 West 10th Ave., Ste. 304, Eugene



# **Customized Training Department (CT)**

Lane Customized Training (CT) Department is a training resource for Lane County employers of all sizes and industries. We provide innovative and cost-effective training options and consultation for local employers. Our large pool of expert instructors provides engaging and relevant content that can be immediately applied. Investing in your employees and management team can: • Ensure company growth • Retain outstanding employees • Increase efficiency • Improve teamwork • Optimize performance • Increase revenue • Improve operations

# Training Provider for Lane County Employees

With over 30 years of experience developing Lane County business, Lane Community College has an excellent reputation in the community and provides the best value you can find in a training provider. A full range of cost-effective training options are available to you: • Contract training customized to your organization • Conflict resolution coaching and consulting • Combined employer training (industry specific) • One-on-one coaching • Curriculum development and instructional design • Business efficiency consultation • Professional development classes offered at the downtown campus • Organizational development consultation • Technical Training

# **Contract Training**

When you outsource your training with us, we provide: • Free initial consultation to assess the specific needs of your company • A pool of highly qualified instructors with a proven track record • Administrative support—we order the books, print the manuals, handle billing • Evaluation tools to ensure objectives and performance outcomes are met • Engaging and relevant curriculum customized to your industry goals • Coordination of all the logistics for your event • Documentation (noncredit college transcript) provided for each employee

# **Location Options**

Your Training can be held at your site or ours. Choose our convenient state-of-the-art downtown campus or the 30th Avenue main campus, right off I-5. The Customized Training department is located at LCC's Downtown Campus, 101 West 10th Avenue, Ste. 304, Eugene. Housed with the Lane SBDC. Contact Customized Training at 541.463.6200 or visit lanecc.edu/ctpd.



Robert and Casey are long-time Lane SBDC clients first visiting the center in 2010 to get advice about how to register their business. They ultimately decided on an LLC with the assistance of our advisor Suzanne Penegor. Robert says of the Lane SBDC, "The information on how to form an LLC gave us all of the tools we needed to succeed." Going forward Robert says, New Reign has grown to a point that he and Casey will need to start making some big decisions about how they will sustain their growth and expand their product line, "we are planning to release waterproof versions of our designs by Winter 2018." Lane SBDC is committed to helping New Reign meet their goals and thrive.

# Governance and Staff

# Lane Community College Board of Education

Seven elected, nonpaid citizens comprise the Board of Education. Elections are held in May of odd-numbered years and openings are staggered. Vacancies due to unexpired terms are filled by board appointment. Board members are elected to four-year terms

The Board of Education has primary authority for establishing policies governing the operation of the college and for adopting the college's annual budget. The board's charge is to oversee the development of programs and services that board members believe will best serve the needs of the people of the Lane Community College district.

The board holds public meetings the second Thursday evening of each month, normally in the Boardroom, Building 3, main campus. Additional meetings are held as needed.



Melanie Muenzer, associate vice president, Eugene, appointed April 2017 elected May 2017, term expires June 30, 2021 Zone 1–Western part of college district



**Susie Johnston**, retired, Eugene, elected May 2005, re-elected May 2009, re-elected May 2015, term expires June 30, 2019 **Zone 2** - Northern part of college district



Mike Eyster, retired higher education administrator, elected May 2017, term expires June 30, 2021

**Zone 3**–Marcola and Springfield part of college district



Matt Keating, creative Marketing Consultant, Eugene, elected May 2013, re-elected May 2017 term expires June 30, 2021

Zone 4–Eastern part of college district



**Philip Carrasco**, community organizer, Eugene, elected May 2015, term expires June 30, 2019

Zone 5 - Eastern part of college district



Rosie Pryor, retired marketing and strategy officer, elected May 2011, re-elected May 2015, term expires June 30, 2019

At-Large-Position 6



**Tony McCown,** business owner, Eugene, elected May 2007, re-elected May 2011, re-elected May 2015, term exipres June 30, 2019 **At-Large**–Position 7

Note: The results of the May 2017 election were not available at the time of publication.

#### **Administration**

The college is administered by the president, under authority delegated by the Lane Community College Board of Education, with assistance from vice presidents, executive deans, division deans, and directors.

- Margaret Hamilton, President; Ph.D. Widener Univ.; M.S. Univ. of Delaware; B.S. State Univ. of New York
- Kerry Levett, Executive Dean, Student Affairs. Ph.D. Arizona State Univ.; M.A. Univ. of Colorado; B.A. Westminster College
- Jennifer Frei, Executive Dean, Academic Affairs School of Arts and Sciences; Ph.D. Univ. of California Davis; M.A. California State Univ. Sacramento; B.A. Univ. of California Davis
- Vicki Trier, Executive Dean, Academic Affairs School of Professional and Technial Careers; B.A. Indiana Univ.; Ph.D. Univ. of Idaho
- Brian Kelly, Vice President of College Services. M.B.A. Marylhurst Univ.; B.A. Southern Illinois Univ.
- Dennis Carr, Chief Human Resource Officer; M.S.I.R. Univ. of Oregon; B.S. Hiram College
- Bill Schuetz, Chief Information Officer; Ph.D. Claremont Graduate Univ.; M.S. Claremont Graduate School; B.S. Univ. of Washington

#### **Emeriti**

**Dr. Mary Spilde** was named president emerita by the Board of Education in 2017. Dr. Spilde was Lane's sixth president and served from 2001-2017.

The late **Dr. Eldon G. Schafer** was named president emeritus by the Board of Education in 1985. Dr. Schafer served as Lane president from 1970-85.

The late **Dr. Dale Parnell** was named president emeritus by the Board of Education in 2004. Dr. Parnell was Lane's founding president and served from 1965-68. He became a national leader in the community college movement.

#### **Oregon State Board of Education**

As one of Oregon's 17 publicly supported community college districts, Lane operates under the general direction of the Oregon State Board of Education:

- Jerome Colonna, Bend
- Kimberly Howard, Portland
- Charles Martinez Jr, Eugene
- George Russell, Eugene
- Modesta Minthom, Pendelton
- Anthony Veliz, Woodburn

State Department of Education administration includes:

- Patrick Crane, Director, Office of Community Colleges and Workforce Development, Oregon Higher Education Coordinating Commission
- Colt Gill, Deputy Superintendent of Public Instruction

#### **Lane Community College Budget Committee**

The Budget Committee analyzes the administration's annual budget proposal. The 2017-2018 Budget Committee includes the Board of Education and the following members:

- Amber White, term expires 2020, Chief Financial Officer, Eugene
- Hillary Kittleson, term expires 2019, retired finance director, Eugene
- Kevin Matthews, term expires 2018, CEO Artifice, Dexter
- Timothy Morris, term expires 2018, receptionist, Eugene
- Rudy Venturi, term expires 2018, Security Architect, Eugene
- Amber White, term expires 2020, Chief Financial Officer,
  Fugene
- Alayne Clark, term expires 2020, Senior Financial Analyst, Eugene

Celine Swenson Harris, term expires 2020, Eugene

#### **Advisory Committees**

More than 700 volunteers are appointed by the Lane Community College Board of Education to 45 advisory committees. These committees offer advice and assistance to instructional programs, enabling the college to tie its programs closely to current work practices and employment opportunities.

All of the college's career technical programs, as well as many noncredit programs, have advisory committees. The college also has advisory committees for programs and services such as English as a Second Language and Small Business Development.

The CareerTechnical Education Coordinating Committee (CTECC) provides oversight for all advisory committees.

Members of the advisory committees may change during the year. Current lists are managed by the Cooperative Education Division.

#### **Lane Community College Foundation**

The Lane Community College Foundation raises and invests funds for scholarships, programs and capital needs.

**Program and Capital Support** The state provides only a portion of the funding necessary to support instructional programs. Gifts from individuals and businesses strengthen Lane's ability to provide education and career training to nearly 35,000 students each year.

**Scholarships** Scholarships open the door to higher education for many people who otherwise could not afford college. Gifts for scholarships are an investment in the future.

Tax-deductible gifts to support Lane's programs and students should be made payable to: Lane Community College Foundation, 4000 E. 30th Avenue, Eugene, OR 97405. Call 541.463.5135 for more information on how you can help. If you are interested in applying for a scholarship, visit *lanecc.edu/foundation*.

#### **Staff**

For fall term 2016, Lane employed 913 contracted faculty and staff and part-time credit faculty. A list of contracted and part-time instructional staff follows.



# **Full-Time Instructional Staff**

#### **Academic Learning Skills**

**Matthews, Grant J.** Dean; M.P.A. Portland State University

**Coleman, Liz E.** B.A. University Of Oregon; M.Ed. Oregon State University

**Gayle-Reddoor, Susan C.** B.A. Univ Calif Riverside; M.A. Univ Calif Riverside

**McQuiddy, Stephen J.** B.A. University Of Oregon; M.F.A. University Of Oregon

Mitchell, Adrienne C. B.A. University Of Oregon; M.A. University Of Oregon; M.Ed. University Of Oregon

#### Adult Basic & Secondary Education

**Matthews, Grant J.** Dean; M.P.A. Portland State University

**Gaudia, Amy** B.S. Buffalo State Clg (Suny); B.S. University Of Oregon; M.A. Pacific University

**Jackson, Patricia J.** B.A. Washington State Univ; M.Ed. Oregon State University

**Kent, Leonora T.** B.A. San Francisco State University; M.Ed. University Of Oregon; Elem Education Teaching Cert; Teaching Engl Speakr Othr Lang

**Lamoreaux, Alice A**. B.A. University Of Oregon; M.S. University Of Oregon

Niles, Aliscia M. B.A. Sch For International Trng; M.A. University Of Oregon; Teachng Engl Speakr Othr Lang

**Pfaff, Julie A.** B.S. Marquette University; M.Ed. University Of Oregon

**Schaefer, Karen L**. B.A. Seattle Pacific University; Ed.M. Oregon State University

Young, James K. B.A. Rice University

#### **Advanced Technologies Dept**

O'Connor, Patrick, Dean; B.A. Univ. of California, Irvine; M.A. Univ. of Idaho; Ph.D. Univ. of Oregon

**Bridges, Jon H.** B.A. St Marys College Ca; M.Ed. Northwest Christian University; USAF Flight Engineer C5/C130; FAA Private Pilot Single Land

Laskey, Allen L. A.S. Lane Community College; AWS Cert Welding Instructor; AWS Cert Welding Educator; ASME Certified Welder; Cert Prod and Inventory Mgmt; AWS Certified Welder

Mathers, Kelly D. ASE Cert Master; ASE Cert Master Auto Tech

**O'Herron II, Phillip J.** B.A. Lindenwood University; B.S. Lindenwood University

**Riordon, Egan A.** A.A. Lane Community College; ASE Cert Master

**Robertson, Margaret E.** B.L.A. University Of Oregon; M.L.A. University Of Oregon; M.L.A. University Of Oregon

Tidball, Jacob J.

Webb, Steven A. C.E.R.T.1. Lane Community College; A.A.S. Lane Community College; CAT/Cummins/ Detroit Eaton Svc; ASE Cert Master Med/ Hvy Duty

Information reflects Human Resource records as of April 2018

**Weiss, Doug O.** A.S. Schoolcraft College; A.A. Palomar College; CET Intl Society of ElectTech

#### **Arts Department**

Bird, JS S. B.S. College St Rose; M.F.A. Univ Mass Amherst; M.A. Suny Coll Oswego

**Grosowsky, Adam** B.A. Evergreen State College; M.F.A. Univ Iowa; M.A. Univ Iowa

**Hughes, Teresa B.** B.S. University Of Oregon

Imonen, Lee C. B.A. Willamette University; B.A. Willamette University; M.F.A. University Of Oregon

**Keene, Meredith A.** A.A. Orange Coast College; A.A.S. Lane Community College

**Lowdermilk, Susan K.** B.F.A. Colorado State Univ Ft Collins; M.F.A. University Of Oregon

**Salzman, Andreas C.** B.S. Univ Wisc Stevens Point; M.F.A. Univ Minnesota Minneapolis

#### **Aviation Academy**

**O'Connor, Patrick,** Dean; B.A. Univ. of California, Irvine; M.A. Univ. of Idaho; Ph.D. Univ. of Oregon

**Gallagher, Neal J.** B.A. Albertus Magnus College

Gustafson, Bruce L. B.A. University Of Oregon; FAA Ground Instructor Advanced; FAA Instructor Single Engine; FAA Transp Pilot Single Land; FAA Ground Instructor Instrum; FAA Transp Pilot Mulit Land; FAA Flight Instructor, CFII; FAA MEI (Multiengine Instruct)

**Kaetterhenry, Jeremy P.** B.S. Coll Ozarks; FAA Airframe and Powerplant; FAA Ground Instructor Advanced; FAA Ground Instructor Instrum

**Lancaster, Paul L.** B.A. Wheaton College II; M.A. George Fox University

#### **Business**

Rehn, Christopher, Dean; B.A. Frankline and Marshall College; M.B.A. Eastern College; Juris Doctor Cornell Univ. Law School

**Boozer, Judy A.** B.A. Idaho State University; M.S.T. Portland State University

**Culver, Christopher D.** B.S. University Of Oregon; M.B.A. University Of Oregon; Certified Public Accountant

**Gillett, Jill A**. B.A. University Of Oregon; M.A. Oregon State University

**Johnson, LuAnne M**. B.A. Unknown California College

#### **Computer Information Technology**

Rehn, Christopher, Dean; B.A. Frankline and Marshall College; M.B.A. Eastern College; Juris Doctor Cornell Univ. Law School

Bailey, Jim L. B.S. Oregon State University; M.S. Brigham Young Univ Utah; Ph.D. Oregon Health Sci University **Bird, Brian A.** B.S. Portland State University; M.A. University Of Oregon

**Colton, Joseph W.** B.S. Brigham Young Univ Hawaii; M.S. University Of Oregon

**Good, Marilou** B.S. Univ Minnesota Minneapolis; M.S. University Of Oregon

**Little, Ronald K.** B.S. Montana State Univ Bozeman; M.S. Portland State University

Wilkins, Paul C. M.S. Oregon State University

#### **Continuing Education**

Arbuckle, Mona M. B.A. Oregon State University; B.S.N. Oregon Health Sci University; M.N. Oregon Health Sci University; F.N.P.; Registered Nurse

McCready, Douglas C. A.S. Lewis & Clark College; M.N. University Of Utah

#### **Cooperative Education**

**Fort, Deron M.** Dean; B.A. Coll William And Mary; M.A. Univ North Carolina Wilmington

**Fike, Charles E.** B.A. Northwest Christian University

**Kelsch, Jamie L.** A.A.S. Lane Community College; A.G.S. Lane Community College; B.S. Linfield College

**Meenaghan, Gerald T.** B.A. University Of Oregon; M.S. Kansas St Univ Manhattan

**Tully, Tricia G**. B.S.N. Northrn Illinois University; M.S. Troy State University Montgmry

#### Counseling

Herburger, Lida Dean

Alvarado, Jessica S. A.A.S. Lane Community College; A.A.S. Portland Community College; B.S. University Of Oregon; M.S. University Of Oregon

Hampton, Anthony A.A. Chabot College; B.A. UnivTexas Pan American; M.Ed. Univ Texas Pan American

**Harris, Mark C.** B.A. Sonoma State University; M.A. Sonoma State University

**Landy, Beth S.** B.S. Cal Poly - San Luis Obispo; M.S. University Of Oregon; National Certified Counselor

Litty, Carolyn L. B.S. Univ Calif San Francisco; M.S.N. Univ Calif San Francisco; M.S. University Of Oregon; Ph.D. University Of Oregon; National Certified Counselor; Mental Health Nurse; Psychiatric/Ment Health N Prac; Cert Licensed Prof Counselor; Marriage and Family Therapist

**Siegfried, Jill** B.A. Wittenberg University; M.S. Oregon State University

**Solomon, Marva D.** B.A. Cuny Queens College; M.S.W. Cuny Hunter College

Soriano, Leslie C. M.S. Calif St Univ East Bay

#### **Culinary Arts & Hotel/Restaurant/ Tourism Management**

O'Connor, Patrick, Dean: B.A. Univ. of California, Irvine; M.A. Univ. of Idaho; Ph.D. Univ. of Oregon

Benson, Lisa Benson S. B.S. New Mexico St Univ Univ Park; M.A. Coll Santa Fe; Ph.D. University Of Idaho

Crosthwaite, Christopher Cert Exec Pastry Chef, ACF; Cert Culinary Educator, ACF; Cert Executive Chef, ACF

McCully, Joe B.S. University Of Denver; M.S. Florida International Univ; Cert Hospitality Educator, AHM

Partain, Duane A. B.A. Univ Washington; M.B.A. American Grad Sch Intnl Mgmt

Wanstall, Clive B. Dipl. Thanet Technical Clg; Cert Basic Cookery London Inst; Cert Executive Chef, ACF; Cert Cookery London Inst

#### **English as a Second Language**

Gates-Tapia, Anna, Dean; B.A. Univ. of Calif.; B.A. Univ. of Calif.; M.S. Nova Southeastern Univ.; Certificate Univ. of Calif Irvine

Bakshi, Indira M. B.S. Purdue Univ West Lafayette; M.A. University OfTexas -Austin

Henninger-Willey, Tracy L. B.A. Northwstrn College Ia; M.A. Univ Iowa

Todd Le Douarec, Annick M. B.A. University Of Oregon; M.A. University Of Oregon; M.B.A. University Of Phoenix

#### **Health & PE**

Good, Julie, Interim Dean; B.S. Texas State Univ.; M.A. Texas State Univ.; Ph.D. Univ. of New Mexico

Cousar, Susie J. A.A. Butte Clg-Oroville; B.A. Calif St Univ - Chico; M.S. Oregon State University; First Aid Instructor Cert; CPR Certified; CPR/AED/Oxyg Admin, ARC

Herbold Sheley, Sharrie A. B.A. Calif St Univ - Chico; M.A. Calif St Univ - Chico

MonDragon, Sean E. B.S. Calif St Univ East Bay; M.S. Calif St Univ East Bay

O'Connor, Patrick G. B.S. University Of Oregon; M.S. Oregon State University

Sheley, Greg N. B.A. Calif St Univ - Chico; M.A. Calif St Univ - Chico

Simmons, Wendy S. B.A. Univ Calif Irvine; M.S. University Of Oregon; ACSM Cert Exercise Specialist; Cert Wellness Coach; Licensed MassageTherapist

#### **Health Professions**

Matthews, Grant J. Interim Dean; M.P.A. Portland State University

Blickle, Thomas P. A.A.S. Portland Community College; B.A. University Of Oregon; M.S. Oregon Health Sci University; Cert Hospice & Palliative Care; Registered Nurse

Clark, Leslie W. A.A.S. Clark College; B.S. Concordia University Or; M.Ed. Concordia

University Or

Cummins, Michelle R. A.A.S. Lane Community College; B.S. Oregon Institute Of Technology; Registered Dental

Driscoll, Norma L. A.S. Lane Community College; B.S. Linfield College; R.C.P.; R.R.T.

Greer, Leslie D. A.G.S. Lane Community College; B.S. Southern Oregon University; Certified Dental Assistant; E.F.D.A.; D.F.O.D.A / E.F.O.D.A.

Hagan, Sharon S. B.S. Idaho State University; M.S. Westrn Kentucky University; Registered Dental Hygenist

Howard, Christina D. B.S. Univ Calif Los Angeles; M.P.T. Univ Calif San Francisco

Kelsay, Patricia K. B.S. Oregon Health Sci University; M.A. Pacific University

Killen, Janet L. A.S. Grossmont Cmty College; A.A.S. Saddleback College; B.S.N. Oregon Health Sci University; M.S.N. Liberty University

Kirkpatrick, Kecia K. M.S. Walden Univ-

McDonald, Shari A. A.S. San Diego City College; B.S.N. Oregon Health Sci University; M.S.N. Walden Univ-Minneapolis; Registered Nurse

#### McHugh, Maggie A.

Miller-Catlin, Toby E. B.S.N. Oregon Health Sci University

Miner, Jonathon C. A.A.S. Oregon Health Sci University; B.S. University Of Oregon; Advanced Life Support Instruct; NAEMT Prehospital Trauma LS In; Oregon EMT Paramedic; Paramedic Nat'l Registry EMT; Wilderness EMT Certification; Outdoor Emerg Care Tech Instr; P.A.L.S. Cert for AHA; AH Adv Cardiac LS Instruct

Nearing, Francine M.

Novicky, Elizabeth A.S. Excelsior College; B.S. Excelsior College; M.S.N. Regis University

Pittman, Martha E. A.A.S. Excelsion College; C.M.A.; Registered Nurse

Powell, Tamberly M. M.S. Oregon State University

Roders, Susan B. A.A. Pasadena City College: B.S.N. Mount St Marys Coll Chalon; M.S. Oregon Health Sci University

Tavernier, Jennifer R. A.S. Lane Community College; B.S.N. Indiana State Univ-Terre Haute; B.S. University Of Oregon; M.S.N. Indiana State Univ-Terre

Thorpe, Beth A. A.A. Univ Evansville; B.S. Univ Evansville

Tiel, Bren A. A.A.S. Portland Community College; B.S.N. Walla Walla University; M.N. Univ Calif Los Angeles; Registered Nurse

Walters, Kathleen A.A.S. Skagit Valley College; A.A. Moorpark College; B.S. Calif St Univ Northridge; M.Ed. Bowling Green St Univ Bwlng Gr; M.S.N. Walden Univ-Minneapolis

Welch, Janet S. B.S.N. Univ Minnesota Minneapolis; M.N. Univ Minnesota Minneapolis; Registered Nurse

Williams, Shelley K. A.A.S. Lane Community College; A.A.S. Westrn Nebraska C C Scttsbluff; B.A. Northwest Christian University; Registered Nurse

#### **Institute for Sustainable Practices**

Ebbage, Roger A. B.A. San Francisco State University; M.A. San Jose State University

#### **International Student Program**

Falzerano, Jennifer M. Dean; B.A. Univ Minnesota Morris; M.Ed. Univ Minnesota Duluth

#### Language, Literature, &

#### Communication

Blaine, Patrick G., Dean

Almquist, Karin B.A. University Of Oregon; M.A. University Of Oregon; Ph.D. University Of Oregon

Bartley, Aryn E. B.A. Michigan State University: M.A. Michigan State University; Ph.D. Michigan State University

Beasley, Amy B.A. Gettysburg College; M.A. Washington State Univ

Chaves, Hernando J. B.A. Western Washington University; M.F.A. University Of Oregon

Frasier, Crosby J. B.A. Ambassador Clg-Big Sandy; M.A. Univ Louisiana Monroe

Harrison, Jeffrey D. B.A. Duke University; M.A.T. Duke University; Ph.D. University Of Oregon

Krumrey-Fulks, Karen S. B.A. Southrn Utah University; M.A. Univ Kentucky Lexington; Ph.D. Univ Kentucky Lexington

Luke, Matthew M. B.A. San Diego State University; M.A. University Of Oregon

Lushia, Sarah M. M.A. Illinois State University; Ph.D. Illinois State University

Matalon-Florendo, Sylvie B.A. Univ Sorbonne Nouv - Paris Iii; B.A. Univ Sorbonne Nouv - Paris Iii; M.A. University Of Oregon

McDonald, Michael B. M.A. University Of Oregon; Ph.D. University Of Oregon

McGrail, Anne B. B.A. Univ Mass Boston; M.A. Suny Buffalo; Ph.D. Suny Buffalo

Pelletier, Laura K.

Shitabata, Russell H. B.A. Univ Hawaii Manoa; M.A. University Of Oregon; Ph.D. University Of Oregon

Sullivan, Kate E. B.A. Minnesota State Univ Moorhead; M.A. Northeastern University; Ph.D. University Of Oregon

Szabady, Gina L. B.A. University of Wyoming; M.A. Univ Hawaii Manoa; Ph.D. University Of Arizona

Thompson, Eileen M. B.A. Univ Puget Sound; M.A. University Of Oregon; Ph.D. University Of Oregon

Tullis, Lynn B. B.A. Colorado College; M.A. Portland State University; Ph.D. University Of Oregon

Viles, Andrew M. A.S. Blue Mountain Comm College; B.A. Oregon State University; M.F.A. Univ Of Michigan-Ann Arbor; Ph.D. University Of Oregon

Information reflects Human Resource records as of April 2018

Von Ammon, Jennifer L. B.A. Florida State University; M.A. Florida State University; Ph.D. Florida State University

#### Library

Dannenbaum, Claire

**Doctor, David L**. B.A. Univ Puget Sound; M.L.S. Univ Washington

**Ferro, Jennifer A.** B.A. University Of Arizona; M.L.I.S. University OfTexas - Austin

Wright, Meggie

#### **Mathematics**

**Green, Dale E.** B.A. University Of Oregon; M.A. Oregon State University

**Harbowy, Daniel P.** B.A. Rutgers/State Univ-New Jersey; M.S. University Of Florida

**Hsiao, Berri** B.S. University Of Oregon; M.S. Montana State Univ Bozeman; M.S. University Of Oregon

**Knoch, Jessica R**. B.S. Randolph-Macon Womans College; M.A. University Of Cincinnati; M.A. Univ Of Virginia

**Kovcholovsky, Michel P.** B.A. University Of Oregon; M.S. University Of Oregon

**Lightheart, Wendy N.** B.S. Oregon State University; M.S. Oregon State University

Martinek, Angela B. B.S.M.E. Univ Vermont; M.S. Univ Vermont; M.S.M.E. Univ Vermont

**Moore, Philip E.** B.A. Harvard University; M.S. Univ Iowa

Murphy, Deanna J. B.A.Temple University; M.S. Portland State University

**Peck, Arthur M.** B.S. Muhlenberg College; M.S. University Of Oregon

**Rajabzadeh, Ahmad** B.S. Eastern Washington University; M.S. Oregon State University

Rawlinson, Wendelle L. B.A. Sonoma State University; M.S. University Of Oregon

**Selph, Stephen L.** B.S.Trinity University; M.S. Northwstrn University

**Thonney, Paula A.** B.S. Illinois State University; M.S. Southrn Illinois Univ Carbndle

White, Karen L. B.A. Colorado College; M.S. University Of Oregon

#### Music - Dance & Theatre Arts Div

**Haimbach, Brian P.** B.A. Florida State University; M.A. Univ Nevada Las Vegas; Ph.D. Univ Georgia Athens

McManus, Edward C. B.M. University Of Oregon; M.M.Ed. University Of Oregon

Myrick, Barbara B.M.E. Montana State Univ Bozeman; M.M. University Of Oregon; M.A. Eastman Sch Of Music-Rochester; D.M.A. University Of Oregon

Simoa Reid, Bonnie L. B.A. Calif St Univ - Chico; M.F.A. Mills College; Cert Continuum Movement Instr **Svoboda, Matthew D.** B.A. Lewis & Clark College; B.M. University Of Oregon; M.M. University Of Oregon; M.M. University Of Oregon

Watanabe, Hisao B.M. Roosevelt University; M.M. New England Conservatory Music

#### **Science**

Ruscher, Paul H. Dean; B.S. Suny Coll Oneonta; M.S. Oregon State University; Ph.D. Oregon State University

**Andrews, Christine M.** B.S. Univ Washington; Ph.D. Univ Pennsylvania Undrgrd Adm

**Bunson, Paul E.** B.S.E.E. Univ Pennsylvania Undrgrd Adm; M.S. University Of Oregon; Ph.D. University Of Oregon

**Gilbert, Dennis D.** B.S. Calif St Univ Fresno; M.S. University Of Oregon; Ph.D. University Of Oregon

**Kiser, Stacey L.** B.S. Oregon State University; M.S. University Of Oregon

McLaughlin, Jeanne M. B.S. University Of Oregon; M.S. University Of Oregon; Ph.D. University Of Oregon

Morrison-Graham, Kathleen B.S. Univ Calif Davis; Ph.D. Univ Calif Los Angeles

**Mort, Gary E.** B.S. Southern Oregon University

**Newell, Carrie L.** B.S. South Dakota State University; B.S. Southrn Utah University; M.S. Northrn Arizona University

**Nichols, Brian R.** A.A.S. Lane Community College; B.S. University Of Oregon; M.S. University Of Oregon

**Swank, Stanton R.** B.S. Cal Poly - San Luis Obispo; M.S. University Of Oregon; Ph.D. University Of Oregon

**Taylor, Brooke E.** B.S. University Of Oregon; M.S. University Of Oregon

Thompson, John E. B.S. Westmont College; M.S. Univ Colorado Boulder

**Young, Douglas M.** B.A.S. Univ Calif Davis; M.S. University Of Oregon; Ph.D. University Of Oregon

#### **Social Science**

Martinez, Philip R. Dean; B.A. Univ Calif Irvine; M.A. Univ Calif Berkeley; M.A. Univ Calif Riverside

Adams, Cynthia B.A. Calif St Univ Long Beach; M.A. Calif St Univ Long Beach; Ph.D. Wayne State University

**Anderson, Jody L**. B.A. University Of Oregon; M.A. University Of Oregon

**Bishop, Jean M.** B.A. Eastern Washington University; M.A. University Of Oregon

**Borrowdale, Jeffrey** B.A. Calif St Univ Sacramento; M.A.C.Phl. Univ Calif Santa Barbara

**Broderick, Sheila N.** B.A. University Of Oregon; M.A. University Of Oregon

**Burrows, Kendra S.** B.S. Carnegie Mellon University; M.S. University Of Utah

**Burrows, William H.** B.S. Southern Oregon University; M.S. Southern Oregon University Escobar, Joe G. B.A. Calif St Univ Fullerton: M.A. Calif St Univ Fullerton

Helzer, Margaret M. A.S. Penn State Univ/Mont Alto; B.S. University Of Oregon; M.S. University Of Oregon; Ph.D. University Of Oregon

Hickey, Beverly J. B.S. Univ Calif Davis; M.A. Stanford University; Bilingual Spanish/English; Elem EducationTeaching Cert

**Lloyd, Kathleen M.** B.A. Lewis & Clark College; M.Ed. University Of Portland; Ph.D. Oregon State University

**OFearghail, Caoimhin P.** B.A. Northrn Arizona University; B.S. Northrn Arizona University; M.A. Univ Nevada Las Vegas

Raza, Nadia K. A.A. Orange Coast College; B.A. Univ Calif Los Angeles; M.A. Humboldt State University

**Salt, James T.** B.S. Univ Maine Orono; M.A. University Of Oregon; Ph.D. University Of Oregon

Salter, Christina L. B.A. New Clg - Univ South Florida; M.S. University Of Oregon; Cert Licensed Prof Counselor; National Certified Counselor

Samano, Michael L. B.A. University Of Oregon; M.A. Univ Calif Davis; M.A. Humboldt State University; Ph.D. Oregon State University

**Shipp, Susan H.** B.A. Univ Colorado Boulder; M.A. Univ Colorado Denver

**Songer, Lynn C.** B.S. University Of Oregon; M.A. University Of Oregon; Ph.D. University Of Oregon

**Taylor, Stan N.** B.A. Univ Kansas; M.A. University Of Oregon; L.L.M. Georgetown Univ-Law Ctr; J.D. Univ Of Pacific/Mc George Law; Ph.D. University Of Oregon

Williams, Suzanne L. B.S. Grand Valley State University; M.S. University Of Oregon; Ph.D. University Of Oregon

#### Student Life & Leadership Dev

Delansky, Barbara L. Dean; B.S.E. Suny Coll Cortland; M.S. Indiana Univ Bloomington; Ph.D. University Of Oregon

**Garcia, James S.** B.S. University Of Oregon

#### TRIO

Parthemer, Mary S. Dean; A.A.S. Whatcom Community College; B.A. Western Washington University; M.S.W. Arizona State University; LicensedClinical Social Worker

#### **Women's Programs**

**Di Marco, Cara E.** B.A. University Of Oregon; M.S. University Of Oregon; Ph.D. University Of Oregon

# **Part-Time Instructional Staff**

#### **Academic Learning Skills**

**Kepka, Jennifer A.** B.A. Univ Kansas; M.F.A. University Of Oregon

**Kolman, Sue E**. B.A. Goucher College; M.Ed. Goucher College

**Murrell, Richard J.** B.S. University Of Oregon; M.A. Pacific University; M.A. Troy State UniversityTroy

Myers, Karen D. B.A. Univ Of Guelph - Ontario; M.A. University Of Oregon

Rossini, Francis X. B.A. Fordham University; M.A. University Of Oregon; M.F.A. University Of Oregon

**Schweigert, Cynthia J.** B.A. University Of Oregon; M.A. University Of Oregon

**Summers, Leroy** M.Ed. Oregon State University

**Wight, Sherrill C.** B.S. Brigham Young Univ Utah; M.A. University Of Utah

#### **Academic Technology**

**Coronado, lan I.** B.F.A. Univ Oklahoma; M.F.A. University Of Oregon

# Adult Basic & Secondary Education

**Arias Anrango, Rafael** B.A. University Of Oregon; M.A. University Of Oregon

Mason, Teresa E. B.S. New Mexico Inst Mining &Tech; M.Ed. University Of Oregon

Monroe, Anne S. B.S. Univ Wisc Madison Nissila, Phyllis M. B.A. George Fox

University; M.A. Calif St Univ Dominguez
Hills

Owens, Jackie A.

**Shelly, Rachel R.** M.A. Pacific University **Siron, Shania E**. B.A. University Of Oregon

**Walker, Ann E**. B.A. San Francisco State University; M.A. Pacific University

#### Advanced Technologies Dept

Babson, James N. B.A. Cornell University

**Caffey, Stephen P.** A.A.S. Lane Community College

**Call, Daniel L.** B.S. Univ Washington; Cert Master RV Technician

Carrere, Daniel A. B.S. Georgia Coll & State Univ; M.S. Georgia Coll & State Univ

**Dale, Terry R.** A.S. Spartan School Aeronautics; B.S. San Jose State University

DeHaven, Joshua D.

**Kruse, David A.** B.S. Yale University; B.M. Juilliard School; M.M. Juilliard School

**Moore, Herbert E.** FAA Airframe and Powerplant; ASE Cert Master Gas Eng Mach

Rea, Paul H.

**Revell, Robert D**. Journeyman Cert Millwright

Information reflects Human Resource records as of April 2018

#### **Arts Department**

**Berner, Christopher A.** B.F.A. Kansas City Art Institute

**Beyer, Erika R.** B.A. Carleton College; M.A. University Of Oregon

Breding, Corral L.

**Burton, Thomas J.** A.A.O.T. Lane Community College

**Campbell, George R.** A.A. Lane Community College; B.S. University Of Oregon

Caprario-Ulrich, Kathleen M. Dipl. Newark Sch Fine & Indust Art

**De Vine, Robert** B.F.A. St Johns University

**DeVore, Carla E.** B.F.A. Univ Minnesota Duluth; M.A. University Of Oregon

**Dussinger, Camilla A.** N.O.D.E.G. Parkland College; B.F.A. Westrn Illinois University; M.F.A. Syracuse University

**Finnerty, Kathryn A**. M.F.A. Louisiana St Univ Baton Rouge

Goolsby, Jefferson J. B.A. Calif St Univ - Chico; M.A. Calif St Univ - Chico; M.F.A. University Of Oregon

**Halvorsen, Jan A**. B.F.A. University Of Oregon

Jolicoeur, Michelle A.

Lucanio, Patrick J. B.S. Western Oregon University; M.A.T. Western Oregon University; M.S. University Of Oregon; Ph.D. University Of Oregon

**Madison, Thomas O.** B.S. Western Oregon University

**McDonald, Damian J.** A.A. Lane Community College; B.A. University Of Oregon

**Osterkamp, Ellen A**. B.A. Loyola Univ Chicago; M.A. University Of Oregon

**Phillips, Michael G.** B.F.A. University Of Oregon; M.F.A. Rochester InstTech

**Potwora, Kristie A.** B.A. Humboldt State University; B.F.A. University Of Oregon; M.F.A. University Of Oregon

**Richenberg, Carrie O.** B.A. University Of Oregon; B.A. University Of Oregon; M.F.A. American University Dc

**Salzman, Jennifer K.** B.S. Univ Wisc Stevens Point; M.F.A. Univ Minnesota Minneapolis

**Seloover, Robin E.** B.F.A. University Of Oregon; M.F.A. University Of Oregon; M.F.A. University Of Oregon

**Stark, Melissa E.** A.A. Sacramento City College; B.M. Univeristy OfThe Pacific; M.M. University Of Oregon

**Tykeson, Ellen P.** B.S. University Of Oregon; M.F.A. University Of Oregon

Welton, Daniel V. B.A. San Jose State University; M.S. University Of Oregon

#### **Athletics**

**Garner, Scott V.** B.S. University Of Oregon; M.S. University Of Oregon

#### **Aviation Academy**

Lowenkron, Laurence H. B.S. Humboldt State University; FAA Comm Pilot Glider; FAA Com Pilot Sgl Eng Lnd Inst; Cert Professional Engineer; FAA Airframe and Powerplant; FAA Comm Pilot Single Sea

Parrish, Walter S. A.S. Lane Community College; B.A. Northwest Christian University; FAA Ground Instructor Advanced; FAA Flight Instructor, CFII; FAA MEL (Multi-Engine Land); FAA MEI (Multiengine Instruct); FAA Com Pilot Sgl Eng Lnd Inst; FAA Ground Instructor Instrum

Roney, Michael S. A.A.S. Lane Community College; FAA Ground Instructor Instrum; FAA Ground Instructor Advanced; FAA MEL (Multi-Engine Land); FAA Com Pilot Sgl Eng Lnd Inst; FAA Flight Instructor, CFII

### Ruwaldt, Bryan R.

Wisdom, Jacob I. A.S. Lane Community College; FAA Com Pilot SgI Eng Lnd Inst; FAA Ground Instructor Advanced; FAA Ground Instructor Instrum; FAA Flight Instructor, CFII

Withrow, Jesse J. FAA Com Pilot Sgl Eng Lnd Inst; FAA Flight Instructor, CFII; FAA Ground Instructor Advanced; FAA Ground Instructor Instrum

Wynn, Brandon D.

#### **Business**

**Boyle, Patricia A.** B.S. Cal Poly - San Luis Obispo; M.B.A. Oregon State University

Chase, James A.A.S. Lane Community College; B.S. Northwest Christian University; M.A. Northwest Christian University

**Hovet, Timothy D.** B.A. Univ Montana; M.B.A. University Of Oregon

Kimble, Sharon R. B.S. Westrn Carolina University; B.S. Westrn Carolina University; M.Ed. Westrn Carolina University

**LePelley, Eilene R.** B.A. Idaho State University

McGlynn, Kaaren L. B.S. Portland State University; M.B.A. Portland State University; M.S. E-Commerce National

Parsons, Rick L. A.A. Columbia College Mo; B.A. Columbia College Mo; M.A. Calif St Univ Long Beach

**Reed, Kathryn A**. B.A. University Of Oregon

**Wallace, Tulsi E**. B.L.A. University Of Oregon; M.B.A. George Fox University

Winnick, Keith E. B.S. Calif St Univ Northridge; M.B.A. University Of Oregon; Certified Public Accountant

#### Computer Information Technology Crissman, Kevin L.

**Dotson, Pamela J.** B.A. Washington State Univ; M.A. San Francisco Theol Seminary

**Evans, Susan R.** B.A. Montana Tech Of Univ Montana; M.S. Colorado State Univ Ft Collins

**Gray, Michael K.** B.A. University Of Oregon; M.A. University Of Oregon; Secondary Teaching Certificate

**Hirons, Andrea S.** A.A. Lane Community College; B.A. George Fox University

**Lindsey, Julie L.** B.S. Linfield College; M.B.A. Grand Canyon University

Maleki, Mohammad B.S. University Of Oregon; B.S. University Of Oregon; M.S. University Of Oregon

Osak, Linda S. B.S. Univ Calif Riverside

**Rizk, Ziad A.** B.A. San Diego State University

Ross, Gerald J. B.A. Suny Buffalo; M.A. University Of Oregon; Teacher Corps Graduate

**Scott, Lawrence R**. B.S.C. Univ Of Victoria - Canada; B.S.C. Univ Of Victoria - Canada; M.A. Antioch Univ-Yellow Springs

Tippin, Deborah J.

#### **Continuing Education**

**Oldham, Garry A.** B.S. University Of Oregon; M.S. University Of Oregon

**Steinberg, Shalimar** B.A. Unknown Oregon College

#### **Cooperative Education**

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Information reflects Human Resource records as of April 2018

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#### **Vision**

#### Transforming lives through learning

#### Mission

Lane is the community's college: we provide comprehensive, accessible, quality, learning-centered educational opportunities that promote student success.

#### **Values**

#### Learning

- · Working together to create a learning-centered environment
- Recognizing and respecting the unique needs and potential of each learner
- · Fostering a culture of achievement in a caring community

#### **Diversity**

- Welcoming, valuing and promoting diversity among staff, students, and our community
- Cultivating a respectful, inclusive, and accessible working and learning environment
- Working effectively in different cultural contexts to serve the educational and linguistic needs of a diverse community
- Developing capacity to understand issues of difference, power and privilege

#### Innovation

- Supporting creativity, experimentation, and institutional transformation
- Responding to environmental, technological, and demographic changes
- Anticipating and responding to internal and external challenges in a timely manner
- Acting courageously, deliberately, and systematically in relation to change

#### **Collaboration and Partnership**

- · Promoting meaningful participation in governance
- Encouraging and expanding partnerships with organizations and groups in our community

#### Integrity

- Fostering an environment of respect, fairness, honesty, and openness
- Promoting responsible stewardship of resources and public trust

#### **Accessibility**

- Strategically growing learning opportunities
- Minimizing financial, geographical, environmental, social, linguistic, and cultural barriers to learning

#### Sustainability

- Integrating practices that support and improve the health of systems that sustain life
- Providing an interdisciplinary learning environment that builds understanding of sustainable ecological, social, and economic systems, concern for environmental justice, and the competence to act on such knowledge
- Equipping and encouraging all students and staff to participate actively in building a socially diverse, just, and sustainable society, while cultivating connections to local, regional, and global communities

Lane Community College is committed to providing a working and learning environment that is free from discrimination, harassment and retaliation. Lane is committed to equal opportunity in education and employment, affirmative action, diversity, and compliance with the Americans with Disabilities Act and VEVRAA. The college prohibits discrimination in admissions, employment, recruitment and access to college programs, activities and services on the basis of race, color, national origin, sex, marital status, familial relationship, sexual orientation, pregnancy, age, disability, religion, expunged juvenile record, or veterans' status, and all other protected categories as defined by federal or state law. The college intends to comply with all statutes that prohibit discrimination in education, including Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990 and the Americans with Disabilities Amendments Act of 2008. The College also intends full compliance with the Title IX sexual harassment prevention requirements. The college shall take timely actions to prevent, correct, and if necessary, discipline behavior that violates harassment and discrimination guidelines. This commitment is made by the college in accordance with federal, state, and local laws and regulations, as well as in alignment with college policies and procedures. Inquiries may be directed to the Chief Human Resource Officer, Lane Community College, 4000 East 30th Avenue, Eugene, Oregon 97405-0640, 541.463.5585. Inquiries regarding Title IX may be directed to Terrie Minner, Interim Associate Dean for Accessibility and Support, 541,463,3010, or to the Title IX deputies Carl Yeh, Director of Student Standards, 541.463.5787, or to Dennis Carr, Chief Human Resource Officer, 541.463.5585. Inquiries regarding Section 504 may be directed to Dennis Carr, Chief Human Resource Officer and Section 504 Coordinator, Building 3, Room 114, 541.463.5585.

#### **Core Themes**

Lane's core themes represent the essential elements of out comprehensive mission. In accordance with our accrediting body, the Northwest Commission on Colleges and Universities, we have established objectives and indicators of achievement for each core theme to evaluate accomplishment of core theme objectives, and ultimately, our mission.

# Core Theme 1: Responsive Community Engagement

As an engaged member of our community, Lane's programs, services, and activities serve the community's needs.

- Objective 1: Lane offers comprehensive programs that support individual and community needs
- Objective 2: Lane serves the intellectual and social needs of the community through non-academic programs and services

# Core Theme 2: Accessible and Equitable Learning Opportunities

Lane's policies, procedures, programs, and services facilitate open, fair, and just educational experiences.

Objective 1: Lane minimizes barriers and maximizes opportunities for diverse student populations

# Core Theme 3: Quality Educational Environment

Lane's quality educational environment embraces academic and instructional integrity, relevancy, rigor, innovation, and transparency.

- Objective 1: Lane employs high-impact practices
- Objective 2: Lane faculty and staff regularly engage in professional development
- Objective 3: Lane's curricula are designed with intention to support discipline-level/ program-level, and college-level outcomes

# Core Theme 4: Individual Student Achievement

Lane's students advance on their academic paths and reach their educational goals.

- Objective 1: Students progress toward their educational objectives
- Objective 2: Students complete their educational goals

# **Strategic Directions**

Lane Community College's 2016-2021 Strategic Plan provides a five-year framework for achieving objectives in support of our core themes of responsive community engagement, accessible and equitable learning opportunities, quality educational environment, and individual student achievement. Our 2016-2021 strategic plan builds upon our existing work around student success and institutional effectiveness, focusing on five interrelated strategic directions designed to advance this work in response to present and foreseeable needs:

- Commitment to Student Learning and Success
- A Culture of Teaching, Learning, and Innovation
- · Access, Equity, and Inclusion through Social Justice
- Strengthened Community
- Financial and Environmental Stewardship

Lane Community College está comprometido a proporcionar un ambiente de trabajo y aprendizaje que sea libre de discriminación, acoso y represalias. Lane está comprometido a la igualdad de oportunidades en la educación y el empleo, la acción afirmativa, diversidad, y cumplimiento con la Ley de Estadounidenses con Discapacidades y VEVRAA. El Colegio prohíbe la discriminación en la admisión, empleo, reclutamiento y acceso a programas del colegio, actividades y servicios en base a la raza, color, origen nacional, sexo, estado civil, relación familiar, orientación sexual, embarazo, edad, discapacidad, religión, antecedentes juveniles sellados, o condición de veterano, y cualquier otra categoría protegida definida por la ley federal o estatal. El Colegio procura cumplir con todos los estatutos que prohíben la discriminación en la educación, incluyendo el Título VI y Título VII de la Ley de Derechos Civiles de 1964, Título IX de las Enmiendas de Educación de 1972, Sección 504 de la Ley de Rehabilitación de 1973, la Ley de Discriminación por Edad de 1975, la Ley de Estadounidenses con Discapacidades de 1990 y la Ley de Enmiendas de Estadounidenses con Discapacidades de 2008. El Colegio también procura un cumplimiento total de los requisitos del Título IX de prevención de acoso sexual. El Colegio tomará medidas oportunas para prevenir, corregir, y si es necesario, disciplinar comportamientos que estén en violación de las pautas de acoso y discriminación. Este compromiso lo hace el Colegio de acuerdo a las leyes y regulaciones federales, estatales, y locales, y conforme a las políticas y procedimientos del Colegio. Preguntas pueden dirigirse al primer oficial de recursos humanos, Lane Community College, 4000 East 30th Avenue, Eugene, Oregon 97405-0640, 541.463.5585. Preguntas sobre el Título IX pueden ser dirigidas a Terrie Minner, Decano Interino Asociado para la Accesibilidad y Apoyo de Servicios, 541.463.3010, o a Carl Yeh, Director de Normas Estudiantiles, 541.463.5787, o a Dennis Carr, primer oficial de recursos humanos, 541.463.5585. Preguntas sobre la Sección 504 pueden ser dirigidas a Dennis Carr, primer oficial de recursos humanos y coordinador de la Sección 504, Edificio 3, Salón 114, 541.463.5585.





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