

Student Success Starts Here!



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

Academic Calendar 2 **About Lane** Welcome to Lane 3 How to Get Started at Lane 5 **Phone Numbers** 7 Locations and Maps 8 **College Transfer** Credit Student Admissions and Registration 10 and Steps to Enroll in Credit Classes 11 Career Overview of Academic Programs 12 **Technical** Tuition, Fees, Financial Aid and Payment 17 **Programs** Academic and Student Services 21 Degree and Certificate Overview 33 Career Technical Programs 49,66 Procedures and Policies 50 Transfer Plans 47, 158 Course Descriptions 186 **Continuing Education** 273 Community Education, English as a Second Language 274 Community Adult Basic and Secondary Education 275 Services **Community Services** 275 This information is available in an and alternate format upon request by **Business and Workforce Development** 277 contacting Disability Resources: **Business** 541.463.5150 (voice) **Education** TTY Relay: 711 email: disabilityresources@lanecc.edu This 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 class schedule and to work closely with a counselor or advisor. This catalog was prepared with assistance from: Angela Miller, editor; Mary Brau, Governance 280 Governance coordinator of student outcomes and Instructional Staff 282 assessment and curriculum development; Melanie Brown, curriculum specialist; Neil **Staff** Index 292 Isaacson, graphic designer; Cover design by Funk/Levis and Associates.

Academic Calendar 2013-2014

Summer Term 2013 (session 201410)

Registration begins*	May 6-9—7 a.m.
Open registration begins*	June 4—7 a.m.
Summer term books available	June 17
Summer term classes begin	June 24
Independence Day observed, co	ollege closed
First four-week session	June 24-July 20
First six-week session	June 24-August 3
Eight-week session	June 24-August 17
Twelve-week session	June 24-September 14
Second four-week session	July 22-August 17
Second six-week session	August 5-September 14
Third four-week session	August 19-September 14
Labor Day, college closed	September 2

Fall Term 2013 (session 201420)

1420/
May 20-23—7 a.m.
September 9—7 a.m.
September 16
September 26
September 30
d October 6
—11:59 p.m.
November 11
November 22
losed November 28
-December 1
December 9-14
December 14
December 15-January 5

Winter Term 2014 (session 201430)

Registration begins* Open registration begins*		per 4-7—7 a.m. ber 10—7 a.m.
New Year's Day observed, college	closed	January 1
Winter term books available		December 30
Winter term classes begin		January 6
Last day to receive a tuition refund	t	January 12,
		—11:59 p.m.
Martin Luther King Day, college cl	osed	January 20
Presidents' Day, college closed		February 17
Last day for schedule changes		February 28
Finals week		March 17-22
Winter term ends		March 22
Spring break		March 23-30

Spring Term 2014 (session 201440)

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Registration begins*	February 10-13—7 a.m.
Open registration begins*	March 11—7 a.m.
Spring term books available	March 24
Spring term classes begin	March 31
Last day to receive a tuition refun	nd April 6—11:59 p.m.
Inservice, college closed	May 2
Last day for schedule changes	May 23
Memorial Day, college closed	May 26
Finals week	June 9-14
Spring term ends	June 14
Graduation	June 14

^{*}For detailed registration information, visit lanecc.edu/calendars /registration-calendar.

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May 2014

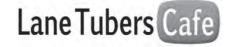
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Taking a class at Lane is easy!

Watch the Getting Started at Lane YouTube video at *youtube.com/lanetuberscafe* by entering the "Taking a Class at Lane is Easy" in the search box.



Welcome To Lane Community College

Welcome to Lane Community College, a great place to start your college education or train for a career.

At Lane you can achieve your dreams—earn a transfer degree, skill up for the workplace, gain basic academic skills, start a business, or pursue lifelong learning.

Whatever your goal, it's important to stay on course and complete your studies. A degree or certificate matters – for your own personal prospects and for the viability of our economy and democracy.

A college credential from Lane will give you a competitive edge in the workplace, increase your earning potential, and prepare you for an advanced degree at much less cost.

Lane welcomes all who desire to learn. We recognize that education is a right, not a privilege, and you need a good education to succeed in a challenging world.

Nearly 37,000 students a year seize the opportunities at Lane—open admission, lower tuition and fees, flexible scheduling, outstanding facilities, experienced and passionate faculty, individualized attention, student services, cultural opportunities, and most of all, quality programs.



You can choose from more than 100 academic transfer subjects and more than 50 professional degrees and certificates. All of our credit programs meet rigorous academic standards and many have earned prestigious special accreditations.

Nationally known for excellence, Lane is the only Oregon college in the international League for Innovation in the Community College. We are engaged in the national Achieving the Dream project and other initiatives focused on your success.

We are prepared to help you achieve your goals. Student success starts here.

Sincerely,

Mary Spilde, President



Lane Community College Downtown Campus

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 354,000 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 2011-12 academic year, 38,671 students enrolled in Lane Community College classes. The average age for all students was 35 years.

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
- Dietary Manager, approved by the Association of Nutrition and Food Service Professionals
- 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.
- Hospitality Management, accredited by the Accreditation Commission for Programs in Hospitality Administration
- Medical Office 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
- Respiratory Care, accredited by the Commission on Accreditation for Respiratory Care, coarc.com

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 2011-12 General Fund budgeted resources are \$93,691,967 of which 49 percent came from intergovernmental, 48 percent from tuition and mandatory fees, and 3 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, nonprofit corporation that raises funds to support programs for which tax monies are insufficient or unavailable.

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. Information about credit program offerings begins on page 66.

Noncredit Community Education Classes

Noncredit courses are not transferable to Lane's career technical degree programs or to other colleges. Information about these offerings begins on page 273.

Good Places to Start

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.

AskLane Lane's 24/7 online tool for finding answers to general questions related to attending Lane can be found as a search option at the top of each Lane webpage.

Catalog This catalog is produced annually in the spring and is available at no charge at college centers. It also is available through the mail for a small charge. To order a catalog, call the Titan Store Bookstore at 541.463.5256 or use the order form in the Community Education Class Schedule. The catalog also can be found on Lane's Web site, *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 advisor. Students also are encouraged to see a counselor or advisor to have an evaluation done 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 Community 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 Advising Center Building 1, First Floor, Room 103, lanecc.edu/counseling, 541.463.3200, coundept@lanecc.edu

The Counseling and Advising Center assists students in planning and meeting their educational goals. The center provides academic advising, career advising and counseling, and retention counseling. Hours are Monday-Wednesday, 8 a.m.-5 p.m.; Thursday, 8 a.m.-4 p.m.; Friday, 8 a.m.-2 p.m. Summer term, Monday-Thursday, 9 a.m.-5 p.m.; Friday, hours vary.

For information about the center and other counseling services, see page 22.

Counseling services also are available at these off-campus centers: Lane Community College at Cottage Grove, 541.463.4202; and Lane Community College at Florence, 541.997.8444 or 541.463.4800.

Enrollment and Student Financial Services Building 1, First Floor (Lobby), *lanecc.edu/esfs/* 541.463.3100, 877.520.5391, or TTY 541.463.4722

Enrollment and Student Financial Services admits credit students, provides registration and billing assistance to all students, and responds to all questions and issues regarding financial aid. Hours are Monday-Thursday, 9 a.m.-5 p.m. and Friday, 9 a.m.-2 p.m. The college is closed on Fridays during summer term.

Web Information about the college, such as the catalog, class schedule, and myLane, can be found on the Internet at *lanecc.edu*.

Other Good Starting Places:

College centers and maps, pages 8-9
Disability Resources, page 23-24
English as a Second Language, page 274
International Student Program, page 26
Multicultural Center, page 26
Native American Program, page 28
TRiO Learning Center, page 30
Veterans' Office, page 31-32
Women's Center, page 32

Como Empezar en Lane

Quien puede asistir a Lane

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

Que les Ofrece Lane

Lane Community College ofrece cursos de tronco común, capacitación profesional y vocacional, desarrollo de habilidades preuniversitarias, programas cooperativos con preparatorias locales, orientación profesional y personal, servicios para empresas, educación continua, y actividades culturales.

Programas y Clases de Valor Curricular

Algunos de los cursos que el college ofrece son de "crédito" (valor curricular). Los cursos de crédito curricular están diseñados para transferirlos a otros colleges/universidades o para que formen parte de un programa técnico/profesional. La información sobre clases de crédito curricular empiezan en la página 66.

Clases de Educación Comunitaria

Los cursos "sin crédito" no pueden transferirse a otros colleges/universidades ni pueden formar parte de un programa de grado técnico/profesional. La información sobre estos cursos empieza en la página 273.

Buenos Puntos de Partida

Lane ofrece una variedad de opciones educativas las cuales están diseñadas para cumplir con los deseos académicos de las personas durante las diferentes etapas de su vida y educación. A continuación presentamos unos buenos puntos de partida.

Ask Lane es la herramienta en línea disponible las 24 horas del día que ayuda a contestar preguntas generales relacionadas con asistir a Lane. Se encuentra en la parte superior de la página inicial de Lane en lanecc.edu.

Catálogo Este catálogo se produce anualmente durante la primavera y lo puede adquirir gratis en los centros del college. También se puede ordenar, a bajo costo, por correo. Para ordenar un catálogo, llame a la Librería de Lane al 541.463.5256 o puede usar la hoja de pedido que se encuentra en la revista de Community Education Class Schedule. El catálogo se encuentran en el portal de Lane en el Internet, *lanecc.edu*.

El catálogo de Lane es publicado para fines informativos y se hacen todos los esfuerzos para asegurar exactitud a la hora de imprimirlo. Sin embargo, lo presentado en este catálogo no debe ser considerado como un contrato irrevocable entre el estudiante y el college. Lane Community College reserva el derecho de cambiar, en cualquier momento, cualquier parte de lo presentado o de los requisitos. Se les aconseja a los estudiantes revisar la lista de clases y asesorarse detalladamente con un consejero o asesor. También se les recomienda a los estudiantes obtener una evaluación formal de sus expedientes académicos, al iniciar sus programas de estudios,

para así obtener la información más precisa sobre los requisitos que necesitan para sus programas.

Lista de Clases El horario de online clases está a su disposición en el Internet, en *lanecc.edu* aproximadamente una semana antes de que se inicie el registro. El registro usualmente inicia la cuarta semana del trimestre anterior excepto el trimestre de otoño, el cual se lleva a cabo durante el trimestre de primavera anterior.

La revista impresa con el horario de clases trimestrales también es enviado por correo a los hogares dentro del distrito escolar aproximadamente una semana antes de que se inicie cada trimestre. El centro en Florence también envían por correo horarios de clases específicos a eso centro.

Centro de Consejería y Asesoría Edificio 1, Salón 103, 541.463.3200

El Centro de Consejería y Asesoría ayuda a los estudiantes a planear y alcanzar sus metas educativas. El centro proporciona asesoría académica, y consejería vocacional: Para recibir ayuda, vaya al centro o haga una cita al llamar al 541.463.3200.

Para información sobre el Centro y otros servicios de consejería, ver páginas 22.

Servicios de consejería también se ofrecen el los siguientes centros fuera del plantel:

Downtown Campus, 541.463.5940 Lane Community College en Cottage Grove, 541.463.4202 Lane Community College en Florence, 541.997.8444 o 541.463.4800

Admisión/Enrollment and Student Financial Services Edificio 1, Primer piso, lanecc.edu/esfs/, 541.463.3100, 877.520.5391, or TTY 541.463.4722

Admisión/Enrollment and Student Financial Services proporciona una variedad de servicios para estudiantes de nuevo ingresos y para los que regresan a Lane. Estos servicios incluyen: admisión, apoyo y asesoría para la ayuda financiera, servicios de pagos, y ayuda con matriculación. Los horas de servicios: lunes-jueves, 9 a.m.-5 p.m. 4 y viernes, 9 a.m.-2 p.m. El colegio estará cerrado los Viernes durante el trimestre de Verano.

Internet Para obtener información sobre el college en el Internet, vaya al *lanecc.edu*.

Otros Buenos Puntos de Partida

Centros del college, páginas 8-9
Recursos para Discapacitados, páginas 23-24
Inglés como Segundo Idioma, página 274
Programa para Estudiantes Internacionales, página 26
Centro Multicultural, página 26
Programa Nativo Americano, página 28
Centro de Aprendizaje TRiO, página 30
Oficina de Veteranos, página 31-32
Centro para la Mujer y el programas Transiciones, página 32

College Phone Numbers

Main college phone: 541.463.3000

wain college phone: 54 1.463.3000	
Administrators	
President	
Vice President, College Services	
Vice President, Academic and Student Affairs	
Executive Dean Academic Affairs, Career Technical	
Executive Dean Academic Affairs, Transfer	
Executive Dean Student Affairs	
Admissions/Enrollment and Student Financial Services	
Adult Basic and Secondary Education (ABSE)	. 541.463.5214
Downtown Campus	
ABSE Volunteer Tutor Program	. 541.463.6184
Affirmative Action	. 541.463.5801
Associated Students of Lane	
Community College (ASLCC)	. 541.463.5365
Athletics	
Bookstore	. 541.463.5256
Career and Employment Services	. 541.463.5167
Child and Family Education	. 541.463.5519
Continuing Education	. 541.463.6100
Cooperative Education	. 541.463.5203
Cottage Grove Center*	. 541.942-4202
Counseling (Main Campus)	. 541.463.3200
Credit Instructional Departments	
Academic Learning Skills	541.463.5439
Advanced Technology	
Arts Division	. 541.463.5409
Business Department	. 541.463.5221
Child and Family Education	
Computer Information Technology	
Cooperative Education	
Culinary Arts and Hospitality Management	
Flight Technology	
Health and Physical Education	
Health Professions	
Human Development (Counseling Department)	
Language, Literature and Communication	
Mathematics	
Music, Dance and Theatre Arts	
Science	. 541.463.5446
Social Science	
Women's Program	
Denali (Student Publication)	. 541.463.5897
Dental Hygiene Clinic	. 541.463.5206
Disability Resources	. 541.463.5150
Dislocated Worker Program	. 541.463.5223
Downtown Campus	. 541.463.6250
Emergency Calls (on campus)	. 541.463.5555
Emergency Medical (on campus)	. 541.463.5555
Employment Services	
English as a Second Language	. 541.463.5253

Enrollment and Student Financial Services	E41 462 2100
Family Connections of Lane and	. 541.465.5100
Douglas Counties541.463.3954/1	000 222 2200
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Financial Aid	
Fitness Education Center*	
Florence Center	•
Foundation	
GED, Classes	
GED, Testing	. 541.463.5324
Health Clinic	
High School Connections	. 541.463.5521
International Students Counselor	
KLCC (Radio Station)	
LaneOnline	. 541.463.5893
Library*	. 541.463.5220
Medical Emergencies (on campus)	. 541.463.5555
Multicultural Center	. 541.463.5276
Music, Dance and Theatre Arts Ticket Office	. 541.463.5202
Public Safety*	
(emergency calls)	. 541.463.5555
General Public Safety Information	. 541.463.5558
Recreational/Club Sports	. 541.463.5293
Registrar, Director of Enrollment Services	. 541.463.5686
Small Business Development Center	. 541.463.6200
Student Life and Leadership Development	. 541.463.5336
Student Child Care Office	. 541.463.5519
Student Financial Services	
Student Loan Payments (Perkins)	. 541.463.3012
Tuition and Other Payments	. 541.463.3100
Student Legal Services	. 541.463.5365
Student Records	. 541.463.3100
Student Resource Center	. 541.463.5342
Substance Abuse Prevention	. 541.463.5178
TTY (Disability Resources)	. 541.463.3079
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	
Workforce Development	

* These offices and facilities also can be reached 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.

Siltcoos Station, located south of Florence on Siltcoos Lake, is a facility for educational and recreational use.

Lane's Flight Technology program offers ground/flight courses at its facilities at Eugene's Mahlon Sweet Airport. The college's Return-to-Service facility at the airport provides advanced training for Aviation Maintenance Technology students.

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 and Downtown Campus (DCA) 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/Lane Community College term 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 ltd.org or call LTD Customer Services at 541.687.5555 or 711 (TTY—Oregon Relay).

- Only one pass or sticker per term can be issued to eligible students.
- LCC Bus Passes are nontransferable, nonrefundable and nonreplaceable.
- Lost, stolen or misplaced LCC Bus Passes will not be replaced during the current term.
- * subject to change

Parking

Main Campus

Parking is permitted in all parking lots on the main campus, hard surface and gravel. 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.

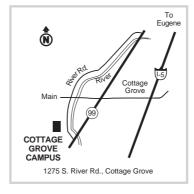
More information about motor vehicle regulations applicable-to Lane is available on Lane's website at lanecc.edu/copps/documents/vehicle-regulations or call 541.463.5558.

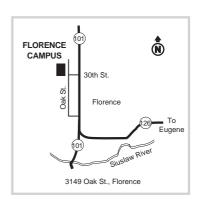
Downtown Campus

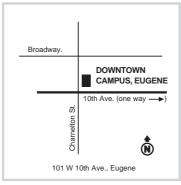
- The closest parking option is The Broadway garage, with entries on either side of Broadway along the west side of Charnelton.
 Parking here is free on weekends and after 6 p.m. with hourly parking available by machine (which accepts credit cards).
- Lane's Downtown Campus (DCA) students may obtain parking validation cards from the Titan Store and Market.
- Parking cards may be used in the Overpark and Parcade (not at The Broadway). Parking cards have no cash value.
- 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



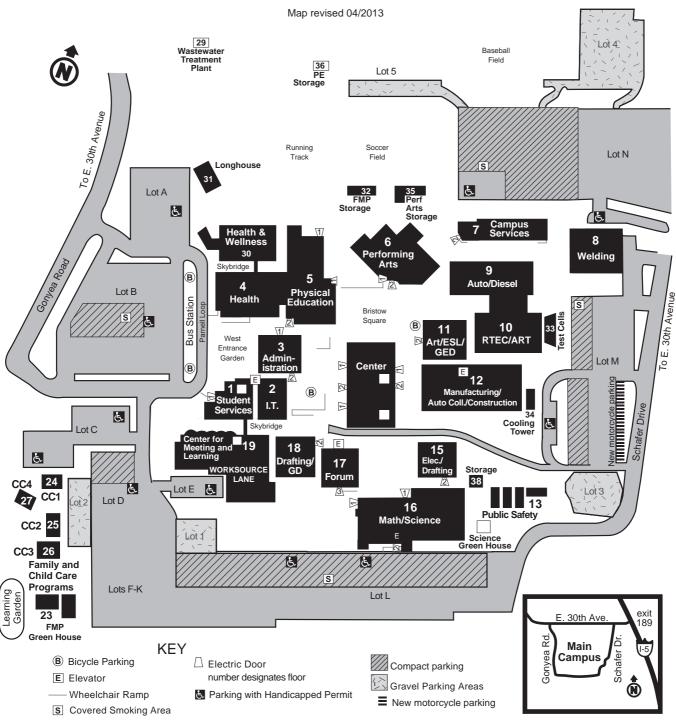






Lane Community College Main Campus

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



Building Department Center Bookstore/Lik

Bookstore/Library/ Cafeteria

- 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

Students over age 18 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, completed home schooling at the secondary level prior to the term the student wishes to receive aid. For more information, contact Enrollment and Student Financial Services at 541.463.3100.

Students under age 18 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.
- 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 on-line admissions application process at lanecc.edu/es/admissions.html. To finalize the admissions process students under the age of 18 without a high school diploma must complete and submit to Enrollment and Student Financial Services the "Student/Parent-Guardian Consent Signature" form included in the on-line admissions process. Students attending Lane under the age of 18 will not be considered as regularly admitted students until they reach the age of 18 or they have demonstrated that a high school diploma 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. Briefly, students are considered In-District* if they

- have maintained a permanent residency 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 residency 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, 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

Admissions

The admissions process at Lane is very easy. Simply complete the Admissions Process online at *lanecc.edu*.

International Programs Admissions

Building 11, Room 235, 541.463.3404

International students on F-1 student visa are welcome at Lane. We're excited to be part of educating international students from over 30 countries each term.

Students applying to Lane need to complete the international application available online (processing fee included) and submit the following documents: copy of passport, transcripts, and official bank statement or letter of support. The following additional documentation is required to be admitted directly to credit level classes: college, university or high school transcripts, and one or more of the following test scores: TOEFL (pBT or cBT or iBT), IELTS or STEP Eiken. Please see lanecc.edu/international for more information about test score minimums.

All credit-level students will take the Accuplacer placement test, regardless of TOEFL or other test scores. Students who do not place into credit-level classes on the Accuplacer will be required to take International English as a Second Language classes or they may choose to transfer to other institutions. Upon completion of IESL, students will be eligible to take the Accuplacer and begin taking credit classes without meeting the TOEFL requirements.

International application deadlines are: August 1, November 15, March 1 and June 1. All materials must be submitted to the International Programs office by this date or students will be considered for the following term. International students, including transfer international students, must attend the International Programs Orientation prior to the beginning of the term. College major and International English as a Second Language students are admitted for fall winter and spring terms. International English as a Second Language students are admitted summer term too.

Students who are transferring to Lane from another college, university or language institute in the USA need to have at least a 2.0 GPA, be eligible to return to their current school, and have earned less than 180 quarter credits to be admitted to the regular program. Students with less than a 2.0 GPA or those who are not eligible to return to their current school must enroll in the International Student Success Program. Students who have earned more than 180 quarter credits need to identify a specific degree plan and specific number of credits needed before they can be admitted. All students must be in status with immigration. Students with terminated I-20s are not eligible to transfer to Lane.

For more information, contact International Admissions at 541.463.3404, Lane Community College, 4000 East 30th Avenue, Eugene, Oregon 97405-0640 or visit *lanecc.edu/international*. The international application is an online process and includes an application processing fee. Go to lanecc.edu to apply.

Lane International Programs offers special services and activities that help international students succeed at Lane. See page 26. For more information about Lane's International English as a Second Language Program, see page 274.

Transferring Credit to Lane

The amount of credit transferred depends upon the nature of the student's college work, which is evaluated according to the academic requirements of Lane Community College. Official transcripts and other transfer documents are accepted from students admitted to Lane.

Once Lane receives a student's official transcript from another school, it becomes the property of Lane Community College and is subject to federal law, The Family Education Rights and Privacy Act (FERPA). A student may view the transcripts but Lane cannot release a copy back to the student. It is suggested that students order an unofficial copy for personal use. See Procedures and Policies, page 50.

More information is available on Lane's transfer practices at *lanece*

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

Emergency Medical
Technology/Paramedic

Physical Therapist Assistant

Practical Nursing

Dental Assisting

Health Records Technology

Medical Office Assistant

Respiratory Care

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
Hospitality Management	. 541.463.3503
Early Childhood Education	. 541.463.3522
Energy Management: Renewable Energy Technician	. 541.463.3977
Energy Management Technician	. 541.463.3977
Exercise and Movement Science	. 541.463.5545
Flight Technology	. 541.463.4195
Graphic Design (the second year)	. 541.463.5409
Occupational Skills	. 541.463.5203

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 for each term is now staged over four 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. For more information, visit the website at lanecc.edu/esfs/registration. For questions, email RegistrationInfo@lanecc.edu.

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.

Refunds

Tuition is not prorated. Students who drop a class and meet the refund deadline of Sunday midnight, the first week of the term for classes that meet 11 weeks will be refunded all of the tuition. 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.

Steps to Enroll in Credit Classes

From lanecc.edu, go to "Apply and Enroll" and follow the steps.

All new students will be required to submit an email address when applying to the college by using the online admissions process. Students who already have been admitted are encouraged to enter an email address via their myLane account. Students taking online web courses also may be required to have a valid email address to participate in the course.

If you would like help in arranging for a free email address, contact the IT Service Center by stopping by the SHeD in Bldg. 2, Room 121 or call 541.463.3333 (ext. 3333 on campus).

Pasos para matricularse en clases con valor curricular

En la página inicial de Lane en lanecc.edu, seleccione "Apply and Enroll" y haga clic en los pasos.

Todos los estudiantes nuevos deberán presentar una dirección electrónica cuando se matriculan al college al usar el proceso electrónico de matriculación. A los estudiantes que previamente han sido admitidos se les pide que presenten una dirección electrónica por medio de su cuenta myLane. Los estudiantes que toman cursos por medio del Internet también deben tener una dirección electrónica válida para participar en el curso. Si le gustaría obtener ayuda para conseguir una dirección electrónica gratuita, comuníquese con el IT Service Center al visitar el SHeD en el edificio 4, salón 201 o llame al 541-541.463.3333 (ext. 3333 en campus).

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 open-entry/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 programs can be transferred to four-year colleges. Others do not transfer.

For a list of career technical programs offered at Lane, see pages 49-50. For information about specific programs, see pages 66-157.

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 page 48.

Associate of Arts Oregon Transfer Degree (AAOT)

- Designed for students who want flexibility to transfer to any school in the Oregon University System (OUS).
- 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 OUS institutions

Associate of Science Oregon Transfer — Business Degree (ASOT-BUS)

- Designed for students who want flexibility to transfer to any school in the Oregon University System 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

- 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 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 Direct Transfer

Cooperative Education

Cooperative education (Co-op) offers career/technical and college transfer credit for practical work experience related to a student's educational and career goals. Co-op education provides a student with an opportunity to apply theory learned in the classroom to work experience in a career field. The objective of co-op is to provide an on-the-job learning experience in a business or organization which adds meaning and direction to the student's total education. Cooperative education is available in all academic departments.

Advantages to the Student

- · financial support through paid employment while earning credit
- · guidance in career expectations and demands
- help in locating part-time or full-time employment which may lead to regular employment
- · 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

Cooperative education is a three-way partnership which includes the student, Lane Community College, and the co-op employer. Co-op provides a way for a student to combine study at Lane with work experience under the supervision of an employer and, like classroom work, is an integral part of a student's educational preparation.

Lane Community College's Cooperative Education is the second largest among two-year colleges in the United States offering cooperative education. An outstanding model internationally, 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. More than 800 employers participate in Co-op each year. Sixty-five percent of all co-op students are retained by employers as regular employees after graduation, although employment is not guaranteed.

To participate in cooperative education, a student is usually expected to successfully complete a specified set of courses prior to the work experience. Students must consult a co-op coordinator (see the following list) to set up a cooperative education learning experience. Student compensation is at a rate of pay comparable to employees who do similar work. In some instances, students may receive credit for volunteer or non-paid experiences.

Registration Procedures

- 1. meet with co-op coordinator in area of study
- 2. establish credits
- 3. complete agreement form
- 4. register for the co-op course

Credits Course credit may be earned for work experience if a job is related to either the student's major or occupational goal. The student enrolled in co-op receives credit and a grade for work. Normally, a maximum of 18 co-op credits will transfer as elective credit. Credit is assigned on the basis of one credit for 36 hours of work experience. Entry into co-op is by coordinator consent. Certain career technical programs require co-op credits. Unless prior approval is received from the Cooperative Education Division dean, students must enroll for a minimum of three credits. Co-op is offered all terms and students may earn up to 12 credits in one term. Cooperative education credits may not be audited or taken pass/no pass. Co-op credits may not be earned for past work experience (see Student Records for Credit by Assessment).

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 231 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.

Curriculum or Transfer Area	Co-op Ed Coordinators
Accounting	Jamie Kelsch
Administrative Office Professional	Jamie Kelsch
Aerobics	Sue Thompson
American Indian Languages	
Anthropology	John del Nero
Art & Applied Design	Teresa Hughes
Athletic Training	
Athletics	•
Auto Body & Fender	
Automotive Technology	
Aviation Maintenance	
Biology	
Business Management	
Chemistry	
Coaching	
Computer Network Operations	
Construction	
Corrective Fitness	
Criminal Justice	
Culinary Arts	•
Data Processing	, ,
Dental Assisting	
Dental Hygiene	
Diesel Technology	
Dietary Management	
Drafting	
Early Childhood Education	,
Education (K-14 Teacher Preparation)	
Electronics Technology	iviarv Ciemons

Curriculum or Transfer Area	Co-op Ed Coordinators
Emergency Medical Technician (EMT)	Tom Brokaw
Energy Management	
Engineering (Transfer)	Gerry Meenaghan
English/Writing	Tamara Pinkas
Environmental Studies	Gerry Meenaghan
Ethnic Studies	Beverly Farfan
Fitness	
Fitness Management	
Flight Technology	Marv Clemons
Florence Center: Most Programs	
French	
General Work Experience	
Geography	
Geology	
GIS	
Graphic Design	
Health Informatics	
Health Occupations	
Health Records Technology (HRT)	
History	
Hospitality Management	
Human Services	
International Work Experience	
Japanese	
Journalism	
Landscape	
Legal Office	
Manufacturing Technology	
Mathematics Medical Office Assistant (MOA)	Gerry Weenagnan
Multimedia	
Music Nursing	
Performing Arts	
Physical Education	
Physical Therapist Assistant (Clinical Affiliation	
Physics	Gerny Meenaghan
Political Science	
Pre-Law	
Programming	
Psychology	
Recreation	
Respiratory Therapy	
Retail Management	
Sales and Marketing	
Science Technology	
Service Learning	
Service Learning Honors	
Simulation and Game Development	Gerry Meenaghan
Sociology	
Spanish	
Speech	Tamara Pinkas
Sustainability Coordinator	
Systems Support	
Water Conservation Technician	Sarah Whitney
Watershed Science Technology	
Welding	
Wellness	
	•

High School Connection

Curriculum for High School Students

Lane's High School Connections office provides assistance to high school students to make 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 length of course. 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 2013-14 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. These classes fill the gaps where high schools can no longer offer these courses. RTEC provides accelerated career technical 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. 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. Through challenging coursework, special seminars, and experiential learning opportunities, you will develop your critical thinking skills, creativity, and intellectual curiosity.

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

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. Most Lane honors classes are also open to any student prepared to complete honors-level coursework; however, the honors seminars are only open to students formally accepted into the Honors Program. Lane currently offers the following three types of honors classes:

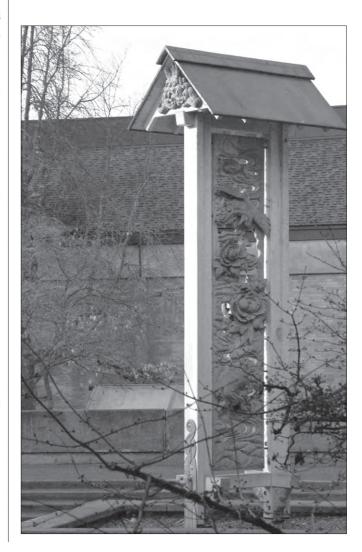
- Honors options: traditional classes in which students can elect to complete honors-level coursework; open to all students.
- Honors courses: each student in the class completes honorslevel coursework; open to all students.
- Honors seminars: required for honors students; open only to students who have applied for and been accepted into the Lane Honors Program.

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.

International Learning Opportunities

International Cooperative Education

The International Cooperative Education program, in partnership with IE3 Global Internships, provides international work opportunities where students earn graded, elective college transfer credit. A wide variety of work experiences are available throughout the world, including Africa, Asia, Australia, North and South America, and Europe. Living and working in a different culture gives students the chance to acquire both technical and international skills that are invaluable in today's global society. For more information, visit ie3global.ous.edu or contact Tamara Pinkas, Cooperative Education Division, Building 19/Room 231D, 541.463.5011.



Courses with International Focus

Courses with an international focus are available in many subjects including visual arts, music, literature, language, anthropology, geography, and history. Currently, these include:

ANTH 103 Cultural Anthropology
ANTH 211 Selected Topics in
Ethnology: Folk Religions
ANTH 227 Prehistory of Mexico
ANTH 228 Cultures of Mexico
ANTH 229 Chicano Culture
ART 207 History of Asian Art: India
ART 208 History of Asian Art: China
ART 209 History of Asian Art: Japan
ART 217 Islamic Art
D 251 Looking at Dance
ECON 204 Introduction to
International Economics
ENG 107, 108, 109 Survey of
World Literature

ENG 213 Survey of Asian Literature ENG 215 Latino/a Literature

ENG 218 Literature of the Islamic World

ENVS 182 Atmospheric Environment and Population

FR 101, 102, 103, 150, 151 First Year French

FR 111, 112, 113, 211, 212, 213 Conversational French

FR 201, 202, 203 Second Year French

GEOG 103 Cultural Geography GEOG 201 World Regional Geography

GEOG 214 Mexico and Central America GEOG 216 Geography Pacific Asia GEOG 223 Geography of the Muslim World

HE 255 Global Health and Sustainability

Sustainability
HST 104, 105, 106 World History
HST 195 History of Vietnam War
HST 261 Latin American History
MUS 108 Music in World Cultures
PS 205 International Relations

PS 211 Peace and Conflict Studies: Global

REL 201 Religions of India

REL 202 Religions of China and Japan

REL 203 Religions of the Middle East

REL 231 Buddhist Meditation Traditions

REL 243 Nature, Religion and Ecology

SOC 216 Global Social Movements SPAN 101, 102, 103 First Year

Spanish SPAN 201, 202, 203 Second Year Spanish

SPAN 211, 212, 213 Conversational Spanish, Intermediate

SP 115 Introduction to Intercultural Communication

For more information, see the course descriptions in this catalog, or call the appropriate academic department.

LaneOnline

LaneOnline provides courses delivered through technology. The Associate of Arts Oregon Transfer (AAOT) degree can be earned through LaneOnline. Significant coursework can also be completed for the Associate of General Studies and Associate of Science degrees. There is an annual course schedule online.

Online Courses Online courses are complete courses 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. Students can view telecourses on cable TV, in the Lane Library, and at LCC at Cottage Grove and Florence. Some courses can be downloaded, streamed, purchased, or rented on DVD. 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. A few courses may be viewed live on cable television.

Tuition for LaneOnline courses is the same as other courses. Additional fees may be charged.

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

Learning Communities

What are Learning Communities?

Learning Communities are a great way to learn! They help you stay engaged and motivated while you pursue your college and life goals.

Learning Communities classes can be linked in several ways:

- Around a goal, such as writing a successful scholarship application, successfully making a life transition, or succeeding in college
- Around a question, such as how to approach the environment in a sustainable way
- · Around a theme, such as the role of food in our culture

Students enroll in two or more classes together, creating a common cohort or "community." Faculty also work together, often attending the different classes too. Your learning experiences are enhanced by this sense of community and common understanding across disciplines. National research shows that students who take learning communities succeed at higher rates than students who take standalone courses. And learning communities classes fulfill the same degree and certificate requirements as stand-alones!

The actual structure of Lane's learning communities vary among classes and instructors. Some learning communities have very closely integrated curricula, so that the classes seem to "talk" to one another throughout the term. Other learning communities are more loosely organized, and the "community feel" comes from getting to know classmates well and investigating a theme across disciplines.

For more information on how to sign up for a learning community at Lane, go to our website: lanecc.edu/lc.

2013-2014 Learning Communities

Lane's First Year Experience Learning Communities

New Students! Get a jump start on your core classes, met new people and learn the skills to succeed in college and in life. Take a First Year learning community and get connected.

First Year Learning Communities are geared to your success. Take these linked courses and learn proven strategies to make wise choices about school and life. See detailed course offerings for this term at lanecc.edu/lc. Choose from among these options:

Fast Lane to Success

CG100 College Success
EL 115 Effective Learning

WR 095 College Writing Fundamentals
WR 115 Introduction to College Writing
WR 121 Introduction to Academic Writing

Math Success

CG100 College Success

EL115 Effective Learning for Math

MTH 020 Math Renewal MTH 060 Beginning Algebra

Beyond the Field: Fast Lane for Student Athletes

CG100 College Success geared to the student athlete WR 80, 90, 93, (Placement test determines writing class) 95, 115, or 121

Visualizing Success: Fast Lane for Art Majors

CG 100 College Success

ArT 199 Introduction to the Art Major

Women in Transition

CG220 Life Transitions

CG140T Career and Life Planning

Recommended but not required:

CG199 T Career and Life Planning 2

CG199WSS Life Transitions 3

BT030 Computer ABCs for Women in Transition

CG100T College Success WIT CG207 Life Transitions 2

EL115T Effective Learning: Women in Transition MTH010A Whole Numbers: Fractions and Decimals

MTH020 Math Renewal

PE183U Strength Training for Women

WR115T Introduction to College Writing: Transitions

WR121T English Composition: Transitions

Other Learning Communities

Food for Thought (fall, spring terms)

MTH 025 Basic Math Applications (fall)

CA170 Cooking Theories and Skill Development

and/or

WR115 Introduction to College Writing (spring)

CA 186 Restaurant and Kitchen Lab 2

BioBonds: Building Blocks for Your Body

CH 112 Chemistry for Health Occupations
BI 112 Biology for Health Occupations

Native Circles

CG101 Native Circles: It's Your Life

Show Me the Money (winter term)

WR105 Writing for Scholarships CG105 Money for College

Reconnecting with Nature (spring term)

REL 243 Nature, Religion and Ecology PS 297 Environmental Politics

BI 103G General Biology-Global Ecology

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 handson 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.

For more information, visit lanecc.edu/sl or call 541.463.5395 or email farfanb@lanecc.edu

BA 195 Professional Service and Development

BI 101I Botanical Beginnings

BI 102H Forest Biology

BI 103F Wildflowers of Oregon

BI 103J Forest Ecology

COOP 280SL Cooperative Education: Service Learning

HE 255 Global Health

HS 201 Introduction to Human Services

HS 228 HIV/AIDS and Other Infectious Diseases

SOC 108A Selected Topics: Women's Bodies

SOC 207 Women and Work

SUST 101 Introduction to Sustainability
WATR 101 Introduction to Water Resources
WATR 105 Water Conservation Indoor
WATR 107 Water Conservation Outdoor
WS 101 Introduction to Women's Studies



Tuition, Fees, Financial Aid and Payment

Noncredit	Community	Education	Claceae
Noncrealt	Community	Education	Ciasses

Noncredit Community Education students pay the following charges:

Tuition + fees	listed next to each class
Resource fee	\$5 per term

Credit Classes

Credit students pay the following charges:

Tuition	see below
Class fees	listed next to each class
Technology fee	\$5 per credit
Other fees	

Tuition

Residents of Oregon	\$93 per credit hour
Non-residents of Oregon	\$227 per credit hour
International students:	
Fall, winter and spring terms	\$220 per credit hour
Summer term	\$153 per credit hour

Other Fees

ASLCC Student Activity Fee*

Credit students ta	aking main	campus c	classes	\$50	.3	O
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Student Life (clubs) \$1; ASLCC \$7.44; BSU \$.50; OSPIRG \$3; Longhouse \$3; Student programs \$2; SPA \$.50; Childcare \$8.62; Recreational Sports \$12; TORCH \$2.75; Women's Program \$2; Learning Garden \$1.50; Military/Vets Center \$1; NASA \$.65; MeCHA \$.65; GSA \$.65; APISU \$.50; OSA \$2.54

Credit by Examination and Credit by Assessment

Examination/assessment fee66% of current tuition	rate
First Time Credit Enrollment Fee	\$30
Student Health Fee	\$12

Transportation Fee (nonrefundable)

Credit students on main campus\$27 per term
All noncredit classes and credit classes not held on the mair
campus\$5 per term

For more information, see the Locations and Transportation section in this schedule. Fee is subject to annual increases.

International credit students also pay

mitoriational ordari ottadonito dioo pay
International student fee\$10 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 through Enrollment and Student Financial Services. Building 1.

Transcript Fee

Transcript ree	
Transcript	. \$5
Transcript 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.

Average Total Costs

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

Tuition\$4,140
Books\$1,182
Special and Miscellaneous Fees (varies by program)\$342
Student Activity Fees\$145

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.

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: Auto Body and Fender, Automotive Technology, Culinary Arts, Diesel Technology, Manufacturing Technology, Dental Hygiene, Dental Assistant, EMT/Paramedicine, Medical Office Assistant, Health Records Technology, Nursing, Practical Nursing, Physical Therapist Assistant, and Respiratory Care.

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 *lanecc.edulesfs/enrollment-services-forms*. Students must hand the form directly to an Enrollment and Student Financial Services advisor at Enrollment and Student Financial Services, main campus.

* 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.

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 University System schools. Students intending to transfer should research specific residency requirements at public or private schools to which they will transfer. For more information, visit *ous.edu*.

^{*}This fee is subject to change pending ASLCC election results.

^{**}Transcripts that are purchased from Enrollment and Student Financial Services or for transcript requests that indicate that they need rush service will be charged the **Transcript** Rush Fee.

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 dependants who have established permanent residence inside the college district within 90 days prior to the first day of the term and within one year of veterans discharge from active duty will be considered in-district.
- A DD214 (military discharge papers) for the veteran or a DD-93 (record of emergency data listing dependants 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 and Student Financial 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

Lane Community College recognizes that many individuals cannot assume the full financial burden of a college education. For this reason, financial aid is available to help bridge the gap between the costs of education and the available student and/or family resources.

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. Students should apply as early as possible after January 1 for the upcoming 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, work-study and scholarships do not have to repaid as long as the student remains enrolled in the term they received funding.

To view eligibility requirements, 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 and Student Financial 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 7100, Springfield, OR 97475-0025. 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 and Student Financial Services before you register. If the college doesn't receive your authorization in a timely manner, finance charges will be added to your account balance. If you have questions, call 541.463.3011 or e-mail SponsoredAccounts@lanecc.edu.

With Financial Aid (credit students only)

Assistance from financial aid is intended to help pay your educational expenses; however, if you do not receive the aid you expect or in time to apply to each terms bill, you still owe the college for charges to your Deferred Billing Terms Agreement account and have the same financial obligations to the college as any other student. If you receive financial aid, that aid will be used to pay all or part of your Deferred Billing Terms Agreement account, depending on the amount of your financial aid awards. The college disburses any remaining financial aid funds to your HigherOne Lanecc Debit Card, direct deposit or check. You will receive written directions on how to choose your refund option according to the financial aid disbursement schedule. For more information about the "LaneCC Debit Card", go to laneccdebitcard.com.

For more information, see the sections on Deferred Billing Terms Agreement, Refunds and Financial Aid in this catalog.

If you have questions about your bill, contact Enrollment and Student Financial Services at 541.463.3100.

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, or never attend the class.

*By registering, you have automatically accepted the terms of Lane's Deffered 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 Ianecc.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.

You must pay all money you owe the college 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.

myLane

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

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 Request for Exception to Refund Policy form available at lanecc.edu/esfs/enroll-ment-services-forms.html and attach medical/ emergency documentation of the circumstances. Petitions received after the eighth week of the term and/or without documentation will be denied.

Statement of Non-Discrimination

If you have a documented medical or emergency reason why you dropped your class after the refund deadline, you can fill out the Petition for Exception to Refund form and submit it to Enrollment and Student Financial Services. A committee will review your request and respond.

Contact Enrollment and Student Financial Services, 541.463.3100, 4000 E. 30th Avenue, Eugene OR 97405, for petitions about credit classes.

The deadline for submitting petitions requesting an exception to the refund policy is 5 p.m. on Friday of the eighth week 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 Enrollment and Student Financial Services at 541.463.3100.

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

- Small Business Development Center, 101 W. 10th Avenue, Suite 304, Eugene OR 97401
- · Continuing Education, 101 W. 10th Avenue, 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 Services

Academic Advising

Building 1, Room 103, 541.463.3200, coundept@lanecc.edu

Academic advising is available through the Counseling and Advising Center. Lane Community College's academic advising model is replicated in many two- and four-year institutions, and meets the standards of the National Academic Advising Association. The model addresses the student's development from enrollment through graduation. Services encompass student retention, academic advising (student advocacy, program development, course selection, career advising, scheduling and decision-making, and referrals) as well as career and retention counseling (career and life planning, counseling and dealing with obstacles including personal issues that impede success).

Lane uses a comprehensive centralized professional advising unit, with academic advisors, counselors, faculty, and other key staff. Advising teams have shared responsibilities to provide a managed advising system for students. The advising teams are clusters or "neighborhoods" identified with: instructional programs, geographical areas and diversity services areas. An administrator oversees all advising functions.

The Counseling and Advising Center offers students several academic advising services. They help students:

- · learn about Lane services and programs,
- · understand college procedures,
- obtain up-to-date written information about requirements for Lane programs and degrees,
- plan course schedules to meet personal needs and program requirements,
- understand how credits from prior colleges may be used toward Lane degrees and certificates,
- select from Lane courses that meet degree requirements at Lane and at four-year schools throughout the state,
- and develop ways to do well in classes and feel satisfied about school.

A counselor and academic advisor are assigned to each academic division and to students who are undecided about a major. A list of transfer programs, counselors and academic advisors appears on page 48. A list of career technical programs, counselors and academic advisors appears on pages 49-50. A list of counselors and academic advisors for students who are undecided is located in Counseling and Advising Center.

Students learn about counselor or academic advisor availability at the reception desk in the center, by calling 541.463.3200, or by directly contacting the counselor or academic advisor. Schedules for the term are posted along with online academic advising resources by going to Lane's website at lanecc.edu, choose Moodle, choose Academic Advising, choose the Academic Advising link for your chosen major or area of interest.

Counselors and academic advisors have in-depth knowledge of academic departments' procedures and resources. New students meet with a department counselor or academic advisor during the program orientation/advisory session. These sessions orient students to their academic programs and provide help with course planning. Students are encouraged to meet with a counselor or academic advisor on a regular basis throughout their stay at Lane.

Representatives from four-year schools in the state make regular

visits to Lane Community College. Students considering transfer should meet with these representatives. Schedules of these visits are available in the Counseling and Advising Center.

Class Registration The process known as Advance Registration has been discontinued. Registration for each term is now staged over four days according to the cumulative number of Lane credits earned through studies at Lane (transfer credits do not count). Students are able to easily check to see their registration date and to see if they have any holds or restrictions preventing registration, by going to myLane. For more information, visit the website at lanecc.edu lesfs/registration. For questions, email RegistrationInfo@lanecc.edu.

Academic Learning Skills

Center Building, Second Floor, 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; Mathematics; Learning Communities; and Women in Transition.

Academic Learning Skills includes:

- Credit courses to develop skills The Academic Learning Skills
 department helps students gain confidence and succeed
 in college by improving their reading, writing, vocabulary,
 computer, math, and study skills. Students who are attending
 college for the first time, who want to improve on previous
 school performance, or whose goals are to achieve high grades
 and acquire strong knowledge are provided the instructional
 coursework to assure their success in college classes.
- Support for students who have specific learning disabilities
 Multi-sensory approaches to learning are included in many skill building courses. Students strengthen their basic skills through
 step-by-step instruction.

Credit Courses Academic Learning Skills offers courses for college credit in lecture, hybrid 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; Computers: Introduction/Information Systems/Computer Science; Computers: Keyboarding; Women in Transition; 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 45-quarter credits (or equivalent) to complete developmental courses. For more information on this important lifetime 45-credit limit (Developmental Credit Limit), contact Enrollment and Student financial Services at 541.436.3100 or visit lanecc.edu/esfs/contact.

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. Guided Studies students are required to take appropriate preparatory courses and are restricted from other college-level courses their first term. Students must meet with the Guided Studies counselor/advisor to set up an appropriate academic plan.

Career and Employment Services

Building 1, First Floor, Room 102 in Counseling and Advising Center, 541.463.5167, lanecc.edu/ces, ces@lanecc.edu

Career and Employment Services (CES) is the place to go for help with scholarships, job search, career exploration and planning. Many students enter Lane undecided about their educational and career plans. CES can help students with career assessments, occupational information, employment outlook, information on colleges and universities, and education training requirements. CES staff can guide students to resources that will help them make important decisions about their educational and career goals.

Career Exploration and Planning

- Introductory career assessments for Lane students and community members
- · Career advisors available on a drop-in basis
- Help available for clarifying goals, career exploration and planning

Scholarship Resources

- · Workshops offered throughout the year
- · Annual January workshop, How to Pay for College...In One Day
- · Scholarship research at lanecc.edu/ces/scholarships
- · Help available for research and scholarship applications

Job Search Assistance

- Job listings for on and off campus jobs at Lane, Job Connection at lanecc.edu/ces
- · Help with résumés, cover letters, and mock interviews
- · Search job internet sites

Job Fair

- · Annual Job Fair held in mid-April
- Opportunity for students to connect and network with local employers
- Job Fair information at lanecc.edu/ces/upcoming-events

Student Service Associates (SSAs) Students trained as peer mentors to work in Counseling and Advising Center and Career and Employment Services. Interested students go to *lanecc.edu/ces/student-service-associates*

Child Care

Child and Family Department, Building 24, Room 114, 541.463.5517

The child care center is state licensed and nationally accredited program located on the main campus. It provides child care for students, staff and community families. The Child and Family Center is open from 7:00 am to 5:30 pm., Monday-Friday and serves children 30 months to five years old. Preschool classrooms are staffed by professional teachers, Lane students and parents. The center is a lab school for students in the Early Childhood Education program and a cooperative where parents can work to reduce their fees. Child care grant and subsidy assistance is available. For additional information and fee schedules, contact the Child and Family Education Department office.

Family Connections of Lane and Douglas Counties, Building 24, 541.463.3954, or 800.222.3290 Family Connections (FC) 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. FC provides the following services:

Parents Parents receive personalized referrals to child care options in Lane and Douglas Counties 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 Espanol son ofrecidos y disponibles a todos.

Employers FC helps employers assess the child care needs of their employees. Enhanced referral services, employer tax credits, dependent care assistance programs, and other family friendly benefit information is available.

Computer Labs

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

Open computing lab space is available in two locations. The Library offers laptop computers, netbooks, desktop computers, and Macintosh computers. These resources are available during library open hours. The open lab in Building 2, Room 216 offers thin clients running Windows and Macintosh computers. This lab is open from 8 a.m.-5 p.m., Monday through Friday.

Software includes word processing, spreadsheet, database, graphics, desktop publishing, miscellaneous educational programs, and various program languages. For more information, call 541.463.5288 or see *lanecc.edu/it/computerlabs*.

Counseling and Advising Center

Building 1, First Floor, Room 103; 541.463.3200; lanecc.edu/coun seling; coundept@lanecc.edu

Counseling provides retention and support services to help students achieve success during their learning experiences.

The counselors, academic advisors and support staff work together to present a variety of services to the diverse student population.

Counselors offer assistance with:

- · providing orientation services for new students.
- · returning to school and adjusting to changes.
- · making career and educational decisions.
- · developing academic programs.
- · improving interpersonal communication skills.
- · coping with stress and depression.
- · resolving personal and family problems.
- · strengthening student success.

During open hours, there is a counselor available to help students with crises or emergencies.

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.

Students and prospective students may contact counselors or academic advisors directly during their posted office hours or through Counseling. The center is available to prospective students and new students for orientation and information on a drop-in basis, as well as continuing students for advising or for referral for counseling or advising.

Human Development Classes The teaching component of Counseling is called Human Development.

Human Development classes help students with entering college, career and life planning, decision making, maintaining productive personal and work relationships, understanding families and children, parenting skills, and coping with stress and depression. Personal awareness and growth in applied life skills is emphasized.

Some courses with CG, CPSY and HS prefixes fulfill the social science/human relations component for the associate of applied science degrees and certificates, associate of science, associate of general studies degrees and certificates, and count as electives for the associate of arts Oregon transfer degree.

The department offers both credit and noncredit classes. Methods of delivery include classroom, independent study, telecourse, and online.

Counseling and Advising is open Monday through Wednesday, 8 a.m.-5 p.m.; Thursday, 8 a.m.-4 p.m.; Friday, 8 a.m.-2 p.m. Summer term Monday-Thrusday, 9 a.m.-5 p.m.; Friday hours vary. Counseling and advising services also are available at the Cottage Grove and Florence centers. Contact these centers for information or appointments.

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 and Student Financial 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 and Student Financial 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 and Student Financial 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 and Student Financial 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 and Student Financial 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.

Disability Resources

Building 1, Room 218, 541.463.5150, (voice); TTY Relay: 711 541.463.4739, Fax; disabilityresources@lanecc.edu; lanecc.edu/disability

Disability Resources collaborates with students, staff, faculty, and community members to create inclusive, equitable, diverse and sustainable learning environments for all.

The department is a resource for creative problem-solving to enhance access in the following areas:

- · Admission/registration assistance, advising and advocacy
- · Accommodations for classes, including:
 - Test accommodations (extended time, reduced distraction, reader, scribe)
 - Alternate format (computer text with digital audio, Braille)
 - Technology (computer software and hardware, and other-devices)
 - Service Providers (sign language interpreter, classroom aide)
- · Consultation, referral and disability awareness information
- · Accessibility information, maps and basic mobility orientation

Other departments provide the following services:

Career and Employment Services Career/job/scholarship information is provided for persons with disabilities.

Health and Physical Education Department Health and PE teaches a Progressive Integrative Fitness course for temporarily or permanently disabled persons. The instructor sets up an individualized exercise program for each student, taking into account the student's disability, needs and goals.

Library The following technology is available for use in the library; ergo and split keyboards, large screen monitors, scanners, CCTV, headphones, recorders, closed caption decoders, Alva Braille Display, JAWS, Natural Reader and Wynn screen reading software, Dragon Naturally Speaking speech to text software, Inspiration and Zoomtext. The library is also equipped with automatic doors and wheelchair accessible adjustable workstations.

TRIO Learning Center Students eligible for Disability Resouces also may be eligible for services through Lane's TRiO Programs.

Enrollment and Student Financial Services

Building 1, First Floor, 541.463.3100, 877.520.5391, TTY 541.463.4722, lanecc.edu/esfs/ or Asklane@lanecc.edu

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

- · Admission assistance
- · Financial aid advising
- · Cash payments
- · LCC Photo ID cards (optional)
- · Receiving documents from students
- · Assistance with myLane on:
 - Obtaining financial aid information
 - Registration
 - Ordering official transcripts
 - Making credit card, debit, or check payments
 - Updating address, telephone and e-mail information
 - LaneCC Debit Card

Hours of operation (subject to change):

Monday-Thursday, 9 a.m. - 5 p.m. and Friday 9 a.m - 2 p.m. The college is closed on Fridays during summer term.

Food Services

Foodservices provides several dining options around campus for students, faculty and staff. The Cafeteria, the main dining operation located on the first floor of the Center building, provides an assortment of choices for breakfast, lunch and dinner. The Snack Bar features traditional "grill" fare including chicken tenders, burgers, specialty sandwiches, and grab-n-go items. The Foodcourt features pizza, made-to-order sandwiches, salads, soups, Pan-Asian (Asian inspired entrees), the Carver's Station (entrees like "Mom" used to make), Veggie Ville (vegetarian and vegan entrees), and an assortment of drinks and snacks.

Also located in the Center building is Blenders Espresso Bar, which features fresh coffee beverages, blended smoothies, sandwiches, salads, grab-n-go items and fresh in-house pastries. All coffee served is fair trade certified and 100 percent organic.

Located on the first floor of the Health and Wellness Building, is the Juice Bar. The Juice Bar will feature organic coffee beverages, real fruit smoothies, handmade soups and salads, fresh baked pastries, and healthy grab-n-go snacks.

Foodservices also has two limited-service convenience operations that operate on a cash only basis. The Terrace Café located in Building 16 on the second floor serves drip coffee, fresh pastries and grabn-go snacks. The Hot Dog Cart, located near Bristow Square and when weather permits offers made-to-order burgers, Philly cheese steaks, brats and dogs with all the fixings.

A full line of vending machines located throughout campus offer traditional vending and healthy items.

Search for Lane Community College Foodservices on Facebook for the most up-to-date information on hours of operation, daily menu items and specials.

Hours of Operation (subject to change):

Mon-Thurs	Fri	Sat-Sun
7-10:45 a.m.	7-10:45 a.m.	Closed
11:15 a.m3 p.m.	11:15 a.m3 p.m.	Closed
10:30 a.m2 p.m.	10:30 a.m3 p.m.	Closed
7 a.m6 p.m.	7 a.m3 p.m.	Closed
7 a.m3 p.m.	7 a.m3 p.m.	Closed
7 a.m3 p.m.	7 a.m3 p.m.	Closed
10:45 a.m3 p.m.	10:45 a.m3 p.m.	Closed
	7-10:45 a.m. 11:15 a.m3 p.m. 10:30 a.m2 p.m. 7 a.m6 p.m. 7 a.m3 p.m. 7 a.m3 p.m.	7-10:45 a.m. 11:15 a.m3 p.m. 10:30 a.m2 p.m. 10:30 a.m3 p.m. 10:45 a.m. 10:45 a.m. 10:45 a.m. 10:45 a.m. 10:45 a.m. 10:30 a.m3 p.m.

Health Clinic

Building 18, Room 101 541.463.5665 lanecc.edu/healthclinic/

The LCC Health Clinic provides health care services to Lane students and employees, including treatment for acute illnesses, minor injuries, and some chronic conditions. Please make an appointment. We also provide information and referrals to community resources.

The mission of the LCC Health Clinic is to provide accessible, quality health care to the students and employees of Lane Community College. Our goal is to maximize LCC community health and enable students to remain in school. The Health Clinic staff works in a collaborative partnership with the students and employees, with respect for diverse beliefs and needs, toward informed decisions about disease prevention and management of health conditions. The clinic

provides education to individuals and groups to enable them to be better consumers of health care and stewards of their own health.

Services available to eligible students and employees

Students who pay the Health Clinic Fee when registering for classes on the main campus and employees who pay the Health Clinic fee are eligible for these services:

Free Services

- · Office visits
- X-ray referral (the clinic does not pay for x-rays)
- · Limited follow-up for chronic illness
- Diagnosis and treatment of most acute illnesses
- Treatment of minor trauma including sprains, strains, cuts and abrasions
- · Assistance managing mental health issues
- · Tobacco cessation support
- · Loan of crutches

Low Cost Services

- Specialized procedures such as spirometry, wart treatments and sutures
- · Immunizations including flu vaccine
- EKGs
- · Lab testing, on-site and reference lab work
- · Family planning/contraceptives, pregnancy testing, pap smears
- · Men's and women's sexual and reproductive health care
- Physicals for LCC programs and athletics

Oregon Contraceptive Care

 A Medicaid funded project offers limited FREE services such as birth control, exams, testing and supplies to those who are eligible. See our website: lanecc.edu/healthclinic

Services available to all students and employees regardless of eligibility

Free Services:

- · Emergency response
- · First aid
- · Blood pressure checks
- · Referrals to community agencies and health providers

Services available to individuals with disabilities

- Limited personal care assistance
- · Medication assistance

Payment methods Payments for our fee-based services are **due at time of service** (cash, check or charge to an open LCC account). Reference lab costs can be billed directly to your insurance by the reference lab.

Confidentiality All services provided are confidential. A confidential medical record is established for each patient. This record is kept for 10 years. Federal and Oregon State laws govern the release of these records.

Health Insurance Lane Community College does not sell health insurance or handle any insurance claims.

Referrals Patients with health problems beyond the scope and mission of the LCC Health Clinic are referred to specialists in the community, urgent care centers, or local emergency rooms at the patient's expense. If an ambulance is required, the **patient will be responsible for costs incurred.**

Health Clinic Hours The health clinic is open Monday through Friday during fall, winter, and spring terms on days that classes are

in session. Appointment times are available from 8:20 a.m. until 4 p.m. The Health Clinic is closed from 12:15 p.m. to 1:15 p.m. for lunch. The clinic is also open summer term on a limited basis. Please call for times. Practitioners are not available on weekends, holidays or during school breaks. For more information, see the website, lanecc.edu/healthclinic.

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 all-inclusive utility package. These apartment homes are leased individually by the bedroom and come fully furnished for an easier move. The brand new 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 on each floor, 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 several 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.

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

Director: Jennifer Falzerano

Administration: Christine Marshall, Shi Nae DeCoster

Admissions/SEVIS Information: Jane Marshall, Colby Sheldon, Alicia Madani

Academic Advising/Student Services: Jennifer Hare, Dao Tran and Beth Schenderlein

More than 300 international students from over 30 countries attend Lane Community College. Students who are in the United States on an F-1 student visa can study in either the IESL Program or in credit level classes. International Programs helps student create a positive and successful educational experience that includes an 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 Conversation Tables, 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, 541.463.5220

The Library provides resources for instructional, research, recreational, and general information needs of students, faculty, staff and community residents. The collection includes over 65,000 volumes of books and audiovisual materials, subscriptions to print periodicals, and a wide variety of online databases and

e-books. Remote access to the Library's catalog and full-text online databases is available to Lane students and staff. The Library's website is *lanecc.edu/library*.

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, library classroom, and assistive technology.

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

Multicultural Center

Building 1, Room 201, 541.463.5276

Drop by the Multicultural Center lounge and relax, socialize and enjoy tea or coffee in a racism and homophobia-free zone. The center strives to create a space that is safe and 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 student clubs and associations; starting your own student club; and organizing events throughout the year that promote inclusion and understanding.

Multicultural Center

Edificio 1, sala 201, 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.

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, vocal jazz ensemble, symphonic band, jazz ensemble, chamber orchestra, and various small ensembles. 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. Whether students already have some music training or want to get started, they can share the joy of making music at Lane.

Dance Lane's dance program offers a variety of performance opportunities for dance students of all levels. "Open Show" allows students to gain performance experience in a fun, informal setting at the end of each term. "The Works" Student Dance Concert is an annual concert showcasing student's choreography and dancers in a formal theatrical setting. Students move from the studio to the stage and learn about lighting, costuming, and performance skills. Advanced dancers are invited to audition for the Lane Dance Company which performs in the annual faculty concert and in several community venues. The Lane Dance Company represents the quality and breadth of our program through participation in the American College Dance Festival in the spring. "Collaborations" highlights the talents of faculty, students, and guest dancers. Hip-hop, African, modern, tap, jazz dancers come together and share their love and passion for dance.

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 oftern 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. In addition to faculty directed plays, the Student Production Association produces shows throughout the year including an evening of one act plays written by and for students. 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 Enrollment and Student Financial Services on the 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 Enrollment and Student Financial Services at 541.463.3100.

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 the area health and fitness.

Staff and students gain access to the center during usage 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 concetration, weight maintenance, and improved self-image.

Recreational and Club 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. Recreational Sports special events provides a variety of opportunities for participation in individual and team 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 eight 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, and Women's Soccer. Teams participate in the Northwest Athletic Association of Community Colleges (NWAACC) Conference with 35 other Oregon, Washington, and Canadian colleges. The NWAACC 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

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 Government: ASLCC

Building 1, Room 210, 541.463.5290

The Associated Students of Lane Community College (ASLCC) legislative body is the Senate, composed of four executive officers, ten senators, and seven student staff positions (appointed, non-voting positions). The purpose of ASLCC 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 \$48.40 student activity fee.*

Contact the ASLCC president (541.463.5335), vice president (541.463.3197) or the Student Activities Office if you would like to:

- · serve on a college committee.
- · form an organization.
- plan an activity.
- · become involved in student government.
- · make suggestions and express concerns.
- * This fee is subject to change pending ASLCC elections.

Student Life and Leadership Development

Building 1, Room 206, 541.463.5336

The Student Life and Leadership Development office coordinates and supervises the following areas: Student Life Programs; Black Student Union, Latino Student Union, QSA, Native American Student Association, Phi Theta Kappa, and other student clubs and organizations; Associated Students of Lane Community College (ASLCC) including the ASLCC senate and staff, ASLCC Legal Services, Cultural Events and Programs, Recreational Sports, 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, computers, programming, and communication through participation in ASLCC, committees, cultural programs, and workshops.

Active clubs vary from year to year and represent many student interests on campus. Students are encouraged to organize new clubs and special groups compatible with the spirit of the college community. Students interested in contacting specific clubs can stop by Student Life and Leadership Development office. Groups or individuals interested in forming clubs and organizations should contact the ASLCC Campus Events Director at 541.463.5330.

The Student Life and Leadership Development office is open Monday - Thursday, 8 a.m. - 6 p.m. and Friday, 8 a.m. - 5 p.m.

Black Student Union, Building 1, Room 201, 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 involved with the sponsorship of three campus/community events during the academic year: Kwanzaa, the Martin Luther King, Jr. Celebration, and Black History Month.

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. The faculty advisor is Greg Evans.

Gender and Sexuality Alliance, Building 1, Room 206, 541.463.5331

Queer Straight Alliance (QSA) is dedicated to creating alliances between the local queer population and its straight allies. The primary objectives of the QSA include educating the college and community groups about homophobia, heterosexism, and queer experiences; raising awareness about anti-queer legislation at the state and local levels; providing a safe space for open discussions about sexuality and gender issues; and providing queer-positive outreach to local high schools and community organizations.

Latino Student Union, Building 1, Room 201, 541.463.3236

The goal of the Latino Student Union (LSU) is to unite, educate and empower Chicano, Mexicano, Latino, Carribbean, and Hispanic students attending Lane. LSU provides personal, social and academic support and encourages bicultural leadership skill development to serve the needs of the growing Latino community in Lane County. LSU assists with Lane's recruitment and outreach activities to high school students, including the Puertas Abiertas Leadership Academy. The faculty advisor for the LSU is Jim Garcia.

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

Phi Theta 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 Publications

Denali, Building 18, Room 213, 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.

Students are employed to assist in editing and production of the magazine and can receive Cooperative Education credit in journalism, graphic design or media arts. Denali operates under the guidelines of the LCC Media Commission and is distributed free of charge to Lane students and staff and to community members of Lane County.

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 Coordinator Tamara Pinkas at 541.463.5011.

Torch, Building 18, Room 212, 541.463.5655

The Torch is an award-winning, student-produced, weekly campus newspaper with an average circulation of 3,000 copies. Published by authority of the Lane Community College Board of Education through the LCC Media Commission, it is an autonomous 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, graphic arts, photography, publication design, 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.

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 as writers, photographers or designers may contact Paige Frank, news and editorial adviser, at 541.463.5654 or Dorothy Wearne, production adviser, at 541.463.5656.

Student Service Associate (SSA)

The Student Service Associate (SSA) program was designed to improve services provided by Career and Employment Services and the Counseling Department through the use of peer mentors. SSAs are trained paraprofessionals who guide fellow students with regard to college resources, services and procedures. SSAs serve as positive role models, provide outreach to diverse student groups, and assist with campus-wide events. In addition to serving others, SSAs gain skills and knowledge that benefit them both personally and professionally. Lane's SSA program has been in effect since the 1970's and serves as a model for programs throughout the state.

Students interested in becoming a SSA should contact Career and Employment Services, Building 1/Room 102, 541.463.5167 in April to apply for the upcoming year. For more information, visit lanecc. edu/ces/student-service-associates.

Student Snack Shack

Building 1, Second Floor, 541.463.5343

The student run snack shack is offered through Student Government and sells bagels, muffins, cold drinks, candy, chips, fruit, yogurt, coffee, hot dogs, fresh sandwiches, 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.

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, e-mail: harrism@lanecc.edu or call the center or visit lanecc.edu/counseling/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.
- Equiping 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. Sustainability Associate of Applied Science degrees are:

- · Energy Management Technician
- · Renewable Energy Technician Option
- · Resource Conservation Manager Option
- Sustainability Coordinator
- Water Conservation 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: John Thompson at 541.463.5199 or thompsonj@lanecc.edu
- Learning Garden Club, Contact: 541.463.5899
- 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 about Testing Service office hours, fees, to make an appointment and other details, please visit *lanecc.edul* 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. Testing Services tries to provide 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 Testing Services, 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. However, students do not need a referral to take GED tests, screening exams conducted for various departments, or the placement tests for new students in reading, writing and math. FAA tests require authorizations in most cases.

Occasionally, in the process of doing research, the college may also require tests of various students or groups of applicants.

Placement tests Placement tests also are available at the Cottage Grove and Florence centers, and many local high schools. Vocational interest surveys are available through counselors at Cottage Grove and Florence.

Many kinds of tests and assessments are available:

- · Placement tests in reading, writing, and math
- General Educational Development (GED) tests for people wanting their high school Certificate of Equivalency
- · Vocational interest surveys
- · Personality inventories
- · FAA computer-assisted tests for airplane pilots and mechanics
- Screening tests required for entry into some programs with limited enrollments
- · FCC computer-assisted tests for radio applications licenses

Titan Store (Bookstore)

Main Campus: Center Building, Third Floor, 541.463.5256 titanstore.lanecc.edu.

Downtown Campus Titan Store and Market: 975 Charnelton St., Eugene, 541.6156, titanstore.lanecc.edu

The Titan Store carries course materials, including textbooks, 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*.

The Titan Store is open Monday - Thursday, 8 a.m.-5 p.m. and Friday, 8 a.m.-4 p.m. Summer term hours are Monday-Thursday, 8 a.m.-4p.m. Summer term hours are Monday - Thursday, 8 a.m. - 4:30p.m. The college is closed Fridays during summer term.

The Titan Store and Market is open Monday-Friday, 7:30 a.m.-7:30 p.m. and Saturday, 10 a.m.-4 p.m. Both locations are open extended hours during the first week of fall, winter and spring terms.

The Titan Store at main campus also is open extended hours during Book Buyback.

TRiO Programs

TRiO Regular

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

TRIO STEM (Science/Technology/Engineering/Math)

Building 12, Room 201, 541.463.3138, lanecc.edu/triostem

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 offers 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, engage in discussing 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 process of learning. 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 easier. For assistance in specific areas, visit the tutoring centers listed below. For general questions, contact Liz Coleman, Tutoring Services Coordinator by phone at 541.463.5783, email at colemanl@lanecc.edu or come to Tutor Central in the Center Building, Room 208.

Tutor Central, Center Building, Room 210, 541.463.5783 (Liz Coleman) *lanecc.edu/tutor/tutor-central*

Open during all academic terms. Tutor schedules are posted on the

front table. This is a great place to study independently with easy access to tutors in the following subjects:

- · Academic Learning Skills
- Computer Skills (CS 120 and CIS 101, Tutor Central, Room 205)
- Math 10
- Psychology
- · Speech, Voice and Articulation
- · Writing Center (help with papers from any class)
- · Quiet study room (Tutor Central, Room 206)
- Group study rooms (Tutor Central, Rooms 209, 214)

Business Resource Center, Building 19, Room 249, 541.463.5799 (Dee Plaisted)

The Business Resource Center provides assistance in Accounting and Business courses. Hours are posted on the door.

CIT Computer Lab, Building 19, Room 135A, 541.463.5823 (Pam Dodson)

The Computer Information Technology Department has tutoring available for all students enrolled in classes that use the lab. Tutors are advanced majors in the field of computing.

Math Resource Rooms, MTH 10 - MTH 97, Building 16, Room 169, 541.463.5399; MTH 105 and up, Building 16, Room 177 (Kristina Holton)

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

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/

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. The program has been in existence since the mid 1980's and is located at the Lane Community College Downtown Campus. Volunteers are trained in a free 12 hour workshop and may tutor students at any of our campus locations and outreach sites. Tutors can work one-on-one, with small groups, and as classroom assistants in the areas of reading, writing, grammar, conversation, math computers, American culture, and citizenship. To become a tutor, please contact Amy Gaudia at 541.463.5919. Basic information can be found lanecc.edu/volunteertutor/. If you need a tutor, please ask your instructor to help you submit the Tutor Request form.

Veterans Services

Building 19, Room 233

VA Educational Benefits

Building 19, Room 233A, 541-463-5663, 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, 1, 0 or gibill.va.gov

Eligibility Rules to determine eligibility for VA Educational Benefits are very complex, and you may have choices to make to determine under which benefit chapter you wish to receive benefits. All who qualify for benefits need to have submitted an application to the VA through the VONAPP (VA On-line Application) process. For more information, contact the VA Educational Benefits Office at 541.463.5663.

Credit Load/Payment For payment purposes, during a standard term, 12 credits is considered full-time. A credit load less than 12 credits will be pro-rated at the rate determined by the VA Benefit Chapter under which you are eligible to receive benefits. Even though you may qualify for more than one VA Educational Benefit Chapter, you only may be certified to collect benefits under one VA Benefit Chapter.

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 will be 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 will be 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 will be reimbursed retroactively by the VA after completion of a successful term.

Schedule Changes, Drops and Adds

Within Drop Period If courses are dropped any time during the first four weeks 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 fourth week 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. If there are "mitigating circumstances" involved in the reduction of credits, documentation and a statement by the student must be submitted to the Veterans Office to be forwarded to the VA for determining any overpayment.

Prior Credits (Transcripts) Students applying for Veterans'

benefits at Lane who have received college credits prior to entry at Laneeither using VA educational benefits or notmust provide transcripts to Lane. Unless all transcripts are submitted to Lane during the student's first three terms of enrollment, subsequent enrollment periods cannot be certified.

Supplemental Information

- · Students may not repeat any classes previously passed.
- Students will be paid for only those specific courses required in their declared major and any prerequisites.
- If a passing grade was not received in a program's required course, excluding electives, it can be repeated once again for VA payment.
- In order for a student to take prerequisites for major requirements for VA payment in math and writing, testing results from Testing Services must indicate they are necessary.

Lane's Robert D. Maxwell Student Veterans Center Building 19, Room 233B

Lane's Maxwell Student Veterans Center includes a computer support/study area and lounge. This room can be used for studying, sharing resources, holding meetings and making connections with fellow student veterans. Lane's Student Veterans Club meets twice a month in the center as well.

Lane's Integration of Vets in Education (LIVE)

Building 19, Room 233A, 541-463-5497

The LIVE program is designed to engage student veterans more fully in their learning experience while assisting them with their transition to college. LIVE works in collaboration with others on and off campus to provide student veterans with support services, such as: academic and career advising, peer-to-peer mentoring and access to community resource people for VA-related support. In addition, LIVE offers three Career and Guidance courses (CG 151, 152, 153) that focus on student veteran issues. Off-campus veteran service providers are also welcome to arrange to meet with student veterans and join in on events at Lane.

Women's Program

Building 1, Room 202, 541.463.5353, lanecc.edu/wp

The Women's Program provides integrated, comprehensive services and programs for women and a variety of gender equity activities and projects. The program ensures that women students have access to programs and services tailored to their needs and that the campus climate is sensitive to gender issues. Major program components include the Women's Center, Women in Transition, Career Technical Education advising, and Transiciones.

Mission Statement The mission of the Women's Program is to provide an educational environment where women are empowered to improve their lives.

Purpose The Women's Program:

- · focuses on women's strengths and capacities.
- offers opportunities to women of diverse backgrounds to create community and pursue education and life goals.
- promotes the college's ability to build and sustain a welcoming and supportive learning environment for women and create gender equity throughout the college community.
- offers programs, advocacy, information, classes, advising, support services, referrals, and maintains and strengthens relationships with the community.

Women's Center The Women's Center acts as a supportive entry point to the college as well as providing services to assist women to stay in school. The center provides information, resource and referral, crisis intervention, advocacy, advising, and individual support. The center maintains bulletin boards on upcoming events and groups, has computer stations for students, has a library focused on women's and gender issues, and a lounge area with coffee and tea. Both drop-in services and individual appointments are available.

Women in Transition Women in Transition empowers women in transition to become economically self-sufficient and improve their lives through access to education. The program forms a learning community that includes:

- one-term, seven-credit core classes focusing on life/career planning, decision making/goal setting, self-exploration, and esteem-building
- optional classes in effective learning, math, writing, college success, physical education, and computer skills
- · limited assistance with tuition and books
- · individual and small group advising
- · follow-up services
- · evening and online Transitions classes offered some terms
- · a follow-up Life Transitions 2 class
- a follow-up Career and Life Planning 2 class

Transiciones Transiciones is a life and career-planning program for Spanish speaking women who wish to explore their self-esteem, educational options, financial assistance for school, and community resources. The program offers career and life courses, academic advising, workshops, and computer courses in Spanish. For more information, please call 541.463.3253.

Transiciones es un programa de planeación de vida y carrera para mujeres de habla Hispana que desean explorar su auto-estima, opciones de educación, ayuda financiera para los estudios, y recursos comunitarios. El programa ofrece cursos en planificación de vida, carrera y computación, consejería académica, y talleres. Para más información llame al 541.463.3253 y deje su mensaje.

Career Technical Education Advising The Career Technical Education advisor assists Women in Transition and Transiciones students in exploring the CTE programs offered at Lane. The advisor provides informaton, advising, group activities, workshops and other experiences that will assist students as they learn about one-and two-year training programs and other avenues to high-wage, high-demand employment.

Other activities of the Women's Program include working with departments to develop classes and services which meet women's needs, organizing workshops and events, providing leadership on gender equity issues and assisting with sexual harassment and gender based complaints.

Degree and Certificate Overview

Lane operates on the quarter system. The catalog is published and dated with each academic year, which begins summer term and ends with the following spring term. To earn an associate degree or a Certificate, students may meet the requirements in the catalog that is current when they earn their first credit(s) at Lane as long as they continue to enroll in the same program of study. Students who change programs of study, or who do not enroll for four terms or more, must re-apply to Lane and meet the requirements of the current catalog year. A student who enrolled at Lane prior to June 30, 2013, may apply for an exception if the program of study will be completed by June 20, 2014.

An edition of the catalog is valid for five academic years for Associate Degree and Two-year Certificate programs, and three years for One-year Certificate programs. However, some program coordinators may impose shorter time limits on accepting credits for degree or certificate requirements. Occasionally, the college may change courses and course numbers within a program. Students should work closely with counselors, advisors, and program coordinators in their major department to meet appropriate and current degree and certificate requirements.

While every effort is made to ensure the accuracy of the information in this catalog, Lane has the right to make changes at any time without prior notice. This catalog is not a contract between Lane and current or prospective students.

Degrees Lane confers five Associate degrees for satisfactory completion of prescribed credit programs:

Associate of Arts Oregon Transfer (AAOT)

Associate of Science Oregon Transfer - Business (ASOT-Business)

Associate of General Studies (AGS)

Associate of Science (AS)

Associate of Applied Science (AAS)

Certificates Lane confers three kinds of certificates for satisfactory completion of prescribed credit programs:

One-year Certificate of Completion

Two-year Certificate of Completion

Career Pathways Certificate of Completion

Each student should consult with a counselor or academic advisor to determine an appropriate degree or certificate program.

Waiver of Program Requirements Lane does not authorize individual departments to waive degree requirements of Foundational Skills and Discipline Studies requirements, or certificate requirements of communication, computation, and human relations. The Academic Requirements Review Committee will consider petitions to substitute a college General Education requirement. Petitions are available on the web at *lanecc.edulesfs/enrollment-services-forms*.

Earning a Second Degree A student working toward a second degree must complete an additional 24 credit hours of course work. These additional hours must be completed at Lane and are in addition to the credits earned for a first degree. Students completing two Associates degrees at Lane must complete a minimum of 114 credits. No additional credits are required for related certificates.

Recognition awards may be granted, depending upon the nature of the programs and the decision of the administration and faculty. In some cases, for example, a student can earn an award from an

instructional department for completion of a sequence of courses. However, a recognition award is different from a degree or certificate in a vocational major issued by the Lane Board of Education and approved by the Oregon Department of Education.

To Apply for a Degree or Certificate

Students apply for their degrees or certificates the term they intend to complete. Application forms are submitted online at *lanecc.edu/esfs/application-degree* or through myLane. There is a \$20 fee for the Oregon Transfer Module notation on a transcript. Review for degree/certificate completion takes approximately 20 business days following the end of each term.

Graduation Ceremony

At the end of spring term Lane hosts one graduation ceremony. Detailed information about the commencement ceremony is available from the office of Student Life and Leadership Development, lanecc.edu/stuact/. All students are eligible to participate in commencement. Applicants must apply online at lanecc.edu/esfs/application-degree or through myLane by April 30 to ensure being listed in the commencement booklet.

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
- North Central Association of Colleges and Schools the Higher Learning Commission
- 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 must complete the Request for Transcript Evaluation form at lanecc.edulesfs/general-information-transferring-credits. Current Lane Community College students enrolled in six credits or more may have transcripts reviewed. Articulation of credits may only be started when Lane receives your official transcripts(s). Articulations are completed on a first-come, first-served basis. Turn-around time is dependent upon the volume of requests and other factors, such as end of term graduation requests. 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.

U.S. Transfer Credits

- Coursework must be completed at a regionally accredited institution.
- Grades of 'Pass' are only transferable when the issuing institution defines the grade as C (including C-) or better.
- Coursework at 300 levels or above is reviewed on a case-bycase basis and may require instructional department's review.
- The college or university must have been accredited or be a candidate for accreditation when the coursework was taken.

International Transfer Credits

- Coursework listed on non-U.S. transcripts may only be evaluated when accompanied by an evaluation from an approved evaluation service. Students may select an agency of their choice from the NACES website, naces.org
- A course-by-course evaluation from the evaluation service 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), International Baccalaureate (IB), DANTES (DSST), Military Service Credit, (AARTS, CCAF, CGI, and SMART) based on American Council on Education (ACE) recommendation.
- A military Veteran will be granted three credits of PE upon the submission of a DD214.

Student Outcomes Assessment

For the purpose of assuring a high-quality learning environment, Lane Community College conducts outcomes 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

The following summary of first-time degree-seeking students entering Lane Community College in fall 2007 is provided in accordance with the federal Student-Right-to-Know act. More information about students and student outcomes at Lane is available at *lanecc. edu/research/ir/institutional-research* or from Institutional Research, Assessment and Planning, 541.463.5576.

From a 2007 cohort of 700 full-time, first-time, degree/certificate-seeking students, 12% completed a degree by spring 2010 and 23% transferred to another higher education institution.

In 2011, Lane surveyed 2009-10 graduates and students who completed a majority of degree requirements before leaving Lane. According to the 567 survey respondents:

· 97 percent achieved their goals at Lane.

- 72 percent of students from career technical programs were employed in jobs related to their field of study after leaving lane.
- 91 percent of these career technical students reported Lane's courses were "Very Relevant" or Relevant" to their jobs.
- 75 percent of students from transfer programs had continued their education after leaving Lane.
- 70 percent of these transfer students reported Lane prepared them "Well" or "Very Well" for classes at their new institution.

Oregon Outcomes for AAOT, ASOT Business, OTM

Students earning the AAOT, ASOT Business, or the OTM 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.

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 list on page 44-45 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.
- 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, i what sexual harassment is, how to prevent it, and how to deal with it if it occurs.
- 7. 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 degree is designed for students who want to complete the first two years of a college education, with flexibility to transfer to any institution within the Oregon University System (OUS). The AAOT is a block-transfer degree, which means a student with an AAOT is guaranteed to have met lower-division (100- and 200-level) general education requirements at any OUS institution. AAOT degree recipients are considered juniors for purposes of registration at OUS institutions.

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 an OUS institution, or admission to a competitive major, or junior standing in a major. Some transfer institutions also require additional upper-division general education courses.

Each student is strongly encouraged to work with an 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 with a minimum of 24 credits earned at Lane to be awarded the AAOT.

All courses should be aligned with the student's intended program of study and the degree requirements of the intended transfer institution. A student is encouraged to work with an advisor in the selection of courses.

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.

All Elective courses may be any number of credits.

All courses must be passed with a grade of "C-," "P" or better. Cumulative GPA must be at least 2.0 at the time the Associate of Arts Oregon Transfer is awarded.

I. Foundational Skills

Writing

8 credits Students taking writing classes of 4 credits each must take WR 121 and either WR 122 or 227. Students taking writing classes of 3 credits each must take WR 121, 122, and either WR 123 or 227. Information Literacy will be included in the Writing Requirement.

Oral Communication

One course in the fundamentals of speech or communication from the list on page 38.

Mathematics

One course in college-level mathematics, for which Intermediate Algebra is a prerequisite.

Health/Wellness/Fitness

One or more courses totaling at least three credits from the list on page 38-39.

II. Discipline Studies

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

Cultural Literacy

Courses that satisfy the Cultural Literacy requirement are marked with an (*) in the list of approved courses on the following pages.

Arts and Letters

Three courses chosen from two or more disciplines from the list on page 36-37.

Social Science

Four courses chosen from two or more disciplines from the list on pages 37-38.

Science/Math/Computer Science

Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science from the lists on pages 38.

Electives

Any college-level courses that bring total credits to 90 quarter hours including up to 12 credits of Career Technical Education. Career Technical course prefixes are listed on page 45.

- Policies on accepting career technical credits vary at the fouryear colleges in Oregon. Consult an academic adviser about taking career technical courses as electives for transfer to a fouryear institution.
- Up to 18 credits of Cooperative Education may be included as electives. See lists on page 205-206.
- 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 AAOT degree as an elective providing that the WR 115 course was completed summer 1999 or later.

Notes and Clarifications

- 1. Choose courses numbered 100 or higher. Although they are important in terms of preparation, courses that are developmental in nature are designed to prepare students for college-level work and are not counted in the 90 quarter hours required for the AAOT. Course numbers 001-099 identify these courses (e.g., RD 090 or WR 080). Additionally, the following courses are considered developmental: ENG 110, 116, 117; RD 115; WR 110, 115 (taken before summer 1999) or 120.
- Foundational Skills are open to demonstration of proficiency. For information of waiver testing or credit for prior learning contact a counselor or 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.
- 4. For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admissions 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 assessment of proficiency.
- 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.
- 6. Some courses may be repeatable. Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements, unless specifically excluded by your program. Repeating courses may not help you progress toward program completion. Read the course description to understand how many times the course may be repeated. Most Independent Study courses and all PE activity courses may be repeated. Read your program of study to understand if and how a repeat will be applied to your program.
- 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 an Oregon University System institution. In such cases, the courses in question will normally transfer as electives.
- 8. Students may select up to 16 credits P/NP option. This limit does not include courses only offered P/NP.

Approved courses for Oregon Transfer programs

Only the following courses meet the Oregon Transfer Module, Associate of Arts Oregon Transfer degree, and Associate of Science Oregon Transfer: Business Discipline Studies degree requirements.

Arts and Letters

Note: Courses marked with () also will satisfy the Cultural Literacy requirement.

AIL 201,202,203	Chinuk WaWa
ART 111	Introduction to Visual Arts
ART 113,213	History of Photography 1,2
ΛRT 115	Racic Decian: Fundamentale

ART 115 Basic Design: Fundamentals
ART 115GD Graphic Design
ART 116 Basic Design: Color

ART 117 Basic Design: 3-Dimensional

ART 118 Artist's Books

ART 131 Introduction to Drawing: 3D ART 134 Field Drawing

ART 200 Graphic Design History
ART 202 Survey of Western Art

ART 203 Survey of American Indian Art and Architecture:

North and Central America

ART 204,205,206 History of Western Art

ART 207*,208*,209* History of Asian Art: India, China, Japan ART 211 Survey of Visual Arts: Early Modern Art ART 212 Survey of Visual Arts: Modern Art

ART 214 American Art
ART 217* Islamic Art

ART 220 Documentary Photography
ART 231,232 Drawing: Intermediate; Perspective
ART 234 Drawing: Figure

ART 237 Illustration 1
ART 247 Sculpture: Site Specific
ART 248 Sculpture: Stone
ART 250 Ceramics: Hand Building

ART 250 Ceramics: Hand Building
ART 251 Ceramics: Wheel Throwing
ART 253 Ceramics: Intermediate
ART 261,262 Photography 1,2

ART 264 Photography as Method

ART 265 Studies in Contemporary Photography

ART 270 Printmaking, Intaglio ART 271 Printmaking, Relief

ART 272 Printmaking, Monotype, Collograph
Art 273 Printmaking, Intermediate Intaglio
ART 274 Printmaking, Intermediate Relief

ART 275 Silkscreen

ART 276 Sculpture: Introduction ART 277,278 Sculpture: Welding; Wood

ART 281,284 Painting: Introduction; Intermediate
ART 282 Landscape & Architectural Photography

ART 285 Advanced Silkscreen
ART 291 Sculpture: Metal Casting
ART 293 Sculpture: Figure

ART 294,295 Watercolor: Introduction; Intermediate

D 160 Dance Composition
D 251 Looking at Dance

D 256 Body Fundamentals/Body as Knowledge

D 260 Group Choreography ENG 100 Children's Literature

ENG 104,105,106 Introduction to Literature: Fiction, Drama, Poetry

ENG 107*,108*,109* Survey of World Literature

ENG 121 Detective Fiction
ENG 151* Black American Literature
ENG 194 Literature of Comedy
ENG 195,196,197 Introduction to Film Studies

ENG 201,203 Shakespeare

ENG 204,205 Survey of British Literature
ENG 213* Survey of Asian Literature
ENG 215* Latino/a Literature

ENG 217 Digital Humanities
ENG 218 Literature of the Islamic World

ENG 222* Literature and Gender
ENG 232* Native American Literature

ENG 240 Nature Literature ENG 243* Native American Autobiography

ENG 244* Asian American Literature ENG 250* Introduction to Folklore and Mythology

ENG 253,254 Survey of American Literature
ENG 257* The American Working Class in Fiction and

	Non-Fiction	ECON 202	Principles of Economics: Introduction Macro
ENG 259*	African American Poetry, Plays, and Film		Economics
ENG 260*	Introduction to Women Writers	ECON 204	Introduction to International Economics
ENG 261	Science Fiction	ECON 250*/ES 250*	Class, Race, and Gender in the U.S. Economy
ENG 270	Bob Dylan: American Poet	ECON 260	Introduction to Environmental and Natural
ENG 271,272,273	Film Genre: Varied Topics		Resource Economics
FA 255	Understanding Movies: American Cinema	ES 101*	Historical Racial and Ethnic Issues
FA 263	Film in the Fifties	ES 102*	Contemporary Racial and Ethnic Issues
FA 264*	Women Make Movies	ES 211*	Chicano/Latino Experience: Historical and
FA 265*	African American Film Images		Ideological Perspectives
FR 201,202,203	Second Year French	ES 212*	Chicano/Latino Experience: Political and
HUM 100	Humanities Through the Arts		Ideological Perspectives
J 134	Photojournalism	ES 213*	Chicano/Latino Experience: Contemporary
J 216	Newswriting 1		Identity and Cultural Issues
MUS 101	Music Fundamentals	ES 221*	African American Experience: Down From the
MUS 101	Jazz Fundamentals		Pyramids, Up From Slavery 10,000 BCE-1877
MUS 103*	Songwriting Techniques and Analysis 1	ES 222*	African American Experience: Aspiration 1877-
			1945
MUS 108*	Music in World Cultures	ES 223*	African American Experience: A Luta Continua:
MUS 111,112,113	Music Theory 1		The Struggle Continues 1945 to Present
MUS 118,119	Music Technology MIDI/Audio 1,2	ES 231*	Asian American Experience: First and Second
MUS 201,202,203	Introduction to Music and Its Literature		Generation
MUS 205*	Introduction to Jazz History	ES 232*	Asian American Experience: Social Movements
MUS 211,212,213	Music Theory 2	20 202	of the 20th Century
MUS 261,262,263	Music History	ES 233*	Asian American Experience: Contemporary Issues
MUS 264*,265*,266*	History of Rock Music 1,2,3	LO 200	in Asian America
PHL 201	Ethics	ES 241*	Native American Experience: Consequences of
PHL 202	Theories of Knowledge	L3 241	Native American and European Contact
PHL 203	Theories of Reality	ES 242*	Native American Experience: Nineteenth
PHL 205*	Contemporary Moral Issues	E3 242"	Century Federal-Indian Relations
PHL 221	Critical Thinking	EC 242*	
REL 201*	Religions of India (Hinduism, Buddhism)	ES 243*	Native American Experience: Contemporary
REL 202*	Religions of China and Japan (Taoism,	FC 250*/500N 250*	Native American Issues
202	Confucianism, Buddhism, and Shinto)	ES 250*/ECON 250*	Class, Race, and Gender in the U.S. Economy
REL 203*	Religions of the Middle East (Judaism,	GEOG 141*	Natural Environment
TILL 200	Christianity, and Islam)	GEOG 142*	Introduction to Human Geography
REL 230	Christian Beginnings	GEOG 201*	World Regional Geography
REL 231	Buddhist Meditation Traditions	GEOG 223	Geography of the Muslim World
		GIS/GEOG 151	Digital Earth
REL 243	Nature, Religion and Ecology	GIS 245	Maps and Spatial Information
SLD 244*	Native American Storytelling	GIS 246	Introduction to GIS
SP 100	Basic Communication	GIS 249	Raster Analysis and Remote Sensing
SP 105	Listening and Critical Thinking	GIS 260	Applications in GIS
SP 111	Fundamentals of Public Speaking	HST 101,102,103	History of Western Civilization
SP 112	Persuasive Speech	HST 104*,105*,106*	World History
SP 115*	Introduction to Intercultural Communication	HST 195*	History of the Vietnam War
SP 130	Business and Professional Speech	HST 201,202,203	History of the United States
SP 218	Interpersonal Communication	HST 207	History of the American West
SP 219	Small Group Discussion	HST 208	U.S. History Since 1945
SP 220*	Communication, Gender and Culture	HST 209	American History: The Civil War
SP 262	Voice and Articulation	HST 266*	U.S. Women's History
SPAN 201,202,203	Spanish, Second Year	HUM 100	Humanities through the Arts
TA 140	Acting Shakespeare	PHL 201	Ethics
TA 141,142,143	Acting 1,2,3	PHL 202	Theories of Knowledge
TA 144	Improvisational Theatre 1	PHL 202 PHL 203	Theories of Knowledge Theories of Reality
TA 241 242 242		FIIL 203	
IA 241,242,243	Intermediate Acting	DLI 20E*	
TA 241,242,243 WR 241		PHL 205*	Contemporary Moral Issues
WR 241	Introduction to Imaginative Writing: Fiction	PHL 221	Contemporary Moral Issues Critical Thinking
WR 241 WR 242	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry	PHL 221 PS 104	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1
WR 241 WR 242 WR 255	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City	PHL 221 PS 104 PS 105	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2
WR 241 WR 242	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry	PHL 221 PS 104 PS 105 PS 201,202	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics
WR 241 WR 242 WR 255 WR 240	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City	PHL 221 PS 104 PS 105 PS 201,202 PS 203	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics
WR 241 WR 242 WR 255 WR 240 Social Science	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205*	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement.	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction sed with (*) also will satisfy the Cultural Literacy	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102*	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103*	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228*	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229*	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture *American Indian Studies	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233 CJA 214	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture **American Indian Studies Introduction to Forensic Science	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture **American Indian Studies Introduction to Forensic Science Principles of Economics: Introduction to	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225 PS 275	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics International Relations Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights and Liberties
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233 CJA 214 ECON 200	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture *American Indian Studies Introduction to Forensic Science Principles of Economics: Introduction to Economics	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225 PS 275 PS 297	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights and Liberties Environmental Politics General Psychology
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233 CJA 214	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture *American Indian Studies Introduction to Forensic Science Principles of Economics: Introduction to Economics Principles of Economics: Introduction to	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225 PS 275 PS 297 PSY 201,202,203 PSY 214	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights and Liberties Environmental Politics General Psychology Introduction to Personality
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233 CJA 214 ECON 200	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture *American Indian Studies Introduction to Forensic Science Principles of Economics: Introduction to Economics	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225 PS 275 PS 297 PSY 201,202,203 PSY 214 PSY 215	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights and Liberties Environmental Politics General Psychology Introduction to Personality Lifespan Developmental Psychology
WR 241 WR 242 WR 255 WR 240 Social Science *Note: Courses mark requirement. ANTH 101 ANTH 102* ANTH 103* ANTH 227*,228* ANTH 229* ANTH 231*,232*,233 CJA 214 ECON 200	Introduction to Imaginative Writing: Fiction Introduction to Imaginative Writing: Poetry The Poet in the City Creative Nonfiction Red with (*) also will satisfy the Cultural Literacy Physical Anthropology World Archaeology Cultural Anthropology Prehistory of Mexico; Cultures of Mexico Chicano Culture *American Indian Studies Introduction to Forensic Science Principles of Economics: Introduction to Economics Principles of Economics: Introduction to	PHL 221 PS 104 PS 105 PS 201,202 PS 203 PS 204 PS 205* PS 208 PS 211 PS 212 PS 213 PS 225 PS 275 PS 297 PSY 201,202,203 PSY 214	Contemporary Moral Issues Critical Thinking Problems in U.S. Politics/Film 1 Problems in U.S. Politics/Film 2 U.S. Government and Politics State and Local Government and Politics Introduction to Comparative Politics Introduction to Political Theory Peace and Conflict Studies: Global Peace and Conflict Studies: National Peace and Conflict Studies: Local Political Ideology Legal Processes Through Civil Rights and Liberties Environmental Politics General Psychology Introduction to Personality

PSY 235,236 PSY 239 REL 201* REL 202*	Human Development 1,2 Introduction to Abnormal Psychology Religions of India (Hinduism, Buddhism) Religions of China and Japan (Taoism, Confucianism, Buddhism, and Shinto) Religions of the Middle East (Judaism,
NEL 203	Christianity, and Islam)
REL 230	Christian Beginnings
REL 231	Buddhist Meditation Traditions
REL 243	Nature, Religion, and Ecology
SLD 103*	Post-Racial America: Challenges and
Opportunities	_
SLD 121*	African American Leadership: History,
	Philosophy and Practice
SOC 108*	Selected Topics: Women's Studies
SOC 108A	Selected Topics: Women's Studies:
	Women's Bodies, Women's Selves
SOC 204	Introduction to Sociology
SOC 205	Social Stratification and Social Systems
SOC 206	Institutions and Social Change
SOC 207*	Women and Work
SOC 208*	Sport and Society
SOC 210	Marriage, Family and Intimate Relations
SOC 211	Social Deviance
SOC 213*	Race and Ethnicity
SOC 215*	Social Class
SOC 216*	Global Social Movements
	Giodai Sociai Movements
SOC 218*	Sociology of Gender
SOC 218* SOC 225	

Science, Mathematics, and Computer Science

Note: Courses marked with (*) also will satisfy the Cultural Literacy requirement.

Biological Sciences with laboratories

Note: Only one of the BI 101's, and one of the BI 102's, and one of the BI 103's will meet the Science/Math/Computer Science requirements for any Lane degree. Any additional BI 101, 102, or 103 course credits will count as electives for a Lane degree. (See the course description section of this catalog for more information.)

BI 101,102,103	General Biology (See note below)
BI 102J*	Ethnobotany and BI 103G* General Biology:
Global	Ecology also will satisfy the Cultural Literacy requirement.
BI 112	Cell Biology for Health Occupations
BI 211	Principles of Biology (formerly BI 201, BOT 201 or Z 201)
BI 212 202)	Principles of Biology (formerly BOT 202 or Z
BI 231,232,233	Human Anatomy and Physiology 1,2,3
BI 234	Introductory Microbiology
BOT 213	Principles of Botany (formerly BOT 203)
Z 213	Principles of Zoology (formerly Z 203)

Physical Sciences with laboratories

Physical Sciences	with laboratories
ASTR 107	Astronomy
CH 104	Introductory Chemistry 1
CH 221,222,223	General Chemistry 1,2,3
CH 241,242,243	Organic Chemistry
CJA 214	Introduction to Forensic Science
ENVS 181	Terrestrial Environment
ENVS 182	Atmospheric Environment and Population
ENVS 183	Aquatic Environment
ENVS 184	Global Climate Change
G 101	Earth's Dynamic Interior
G 102	Earth's Dynamic Surface
G 103	Evolving Earth
G 146	Rocks and Minerals
G 147	National Parks
G 201	Earth Materials and Plate Tectonics
G 202	Earth's Surface Systems
G 203	Evolution of the Earth
GIS/GEOG 151	Digital Earth
GIS 245	Maps and Spatial Information

1	GIS 246	Introduction to GIS
	GIS 249	Raster Analysis and Remote Sensing
	GIS 260	Applications in GIS
	GS 101	General Science (Nature of the Northwest)
	GS 104,105,106	Physical Science
	GS 142	Earth Science: Earth Revealed +L
	GS 147	Oceanography +L
	GS 148	Universe: Infinite Frontier +L
	PH 101,102,103	Fundamentals of Physics
	PH 201,202,203	General Physics
	PH 211,212,213	General Physics with Calculus
	WST 230	Watersheds and Hydrology
	+L must be taken for	r four credits to include lab

Other Science/Math/Computer Science Courses

	(non-laboratory)	th/Computer Science Courses
	ANTH 101	Physical Anthropology
	ASTR 121	Astronomy of the Solar System
	ASTR 122	Stellar Astronomy
	ASTR 123	Cosmology and the Large-Scale Structure
		of the Universe
	CH 112	Chemistry for Health Occupations
	CJA 214	Intro to Forensic Science
	CS 160	Orientation to Computer Science
	CS 161,162	Computer Science 1,2
	CS 233	Advanced Programming
	CS 260	Data Structures 1
	CS 271	Computer Architecture and Assembly Language
	GEOG 141	Natural Environment
	GS 142	Earth Science: Earth Revealed
	GS 147	Oceanography
	GS 148	Universe: Infinite Frontier
	MTH 105	Introduction to Contemporary Mathematics
	MTH 111	College Algebra
	MTH 112	Trigonometry
	MTH 211,212,213	Fundamentals of Elementary Math 1,2,3
	MTH 231,232,233	Discrete Mathematics 1,2,3
	MTH 241,242	Elementary Calculus 1,2
	MTH 243	Introduction to Probability and Statistics
	MTH 251	Calculus 1 (Differential Calculus)
	MTH 252	Calculus 2 (Integral Calculus)
	MTH 253	Calculus 3 (Infinite Series and Sequences)
	MTH 254	Vector Calculus 1 (Introduction to Vectors and
		Multi dimensions)
	MTH 255	Vector Calculus 2 (Introduction to Vector
	Analysis)	A II I DIEC II I I I
ı	MTH 256	Applied Differential Equations

Cultural Literacy

MTH 261

PSY 217

Courses approved for the Cultural Literacy requirement are marked with an (*) in the lists of courses on the previous pages. A course taken to meet the Cultural Literacy Requirement will also be used to satisfy Discipline Studies Requirements. The credits for such courses will only be counted once toward the 90 credits required to complete the degree.

Introduction to Linear Algebra

Introduction to Experimental Psychology

Speech/Oral Communication

SP 100	Basic Communication
SP 111	Fundamentals of Public Speaking
SP 112	Persuasive Speech
SP 130	Business and Professional Speech
SP 218	Interpersonal Communication
SP 219	Group Discussion

ı		
	Health/Wellness/Fi	itness
	EXMS 214+	Physiology of Exercise and Healthy Aging
	FN 225+	Nutrition
	HE 125	Workplace Health and Safety (summer 1997 or later)
	HE 152	Drugs, Society and Behavior
	HE 209	Human Sexuality
	HE 222	Consumer Health
	HE 240	Holistic Heath

HE 250	Personal Health
HE 252	First Aid (summer 1997 or later)
HE 255	Global Health and Sustainability
HE 262	First Aid 2: Beyond the Basics
HE 275	Lifetime Health and Fitness
HE 290	Comprehensive Approaches to Weight
	Management
HI 101+	Introduction to Health Care and Public Health
	in the U.S.

+Note: Career Technical courses fulfilling Health/Wellness/Fitness requirements will not be counted in the 12-credit limit on CT courses.

Or a combination of 3 credits of PE Activity classes

PE 181C	Combination Aerobics
PE 181D	Dance Aerobics
PE 181K	Kickboxing Aerobics
PE 181S	Step Aerobics
PE 181SB	Body Sculpt
PE 181SS	Step and Sculpt
PE 181Y	Yogilates
PE 183A	Conditioning
PE 183B	Exercise and Weight Control
PE 183C	Exercise Walking
PE 183CG	Group Cycling
PE 183E	Fitness Circuits
PE 183F	Fitness Education: Introduction
PE 183G	Fitness Education: Returning
PE 183J	Jogging

Stability Ball Fitness

PE 183S	Strength Training
PE 183U	Strength Training for Women
PE 183W	Progressive Integrative Exercise
PE 184N	Conditioning for Martial Arts
PE 185M	Meditation
PE 185T	Tai Chi Chuan
PE 185U	Tai Chi Chuan Intermediate
PE 185Y	Yoga Beginning
PE 185YG	Gentle Yoga
PE 185Z	Yoga Intermediate
PE 191A	Cross Country Conditioning 1
PE 191C	Cross Country Conditioning 2
PE 192I	Soccer Conditioning 1
PE 192J	Soccer Conditioning 2
PE 193A	Basketball Conditioning 1
PE 193C	Basketball Conditioning 2
PE 195A	Basketball Women's Conditioning 1
PE 195C	Basketball Women's Conditioning 2
PE 196A	Track & Field Conditioning 1
PE 196D	Track & Field Conditioning 2

Sustainability-focused courses

BI 103M	General Biology: Biodiversity & Sustainability
HE 255	Global Health and Sustainability
PS 297	Environmental Politics
REL 243	Nature, Religion and Ecology

Baseball Conditioning 1

Baseball Conditioning 2

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 any institution in the Oregon University System (OUS), 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 an OUS institution, or 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 advisor or counselor to select electives that align with requirements at an intended transfer institution. Careful advising especially is needed for this degree program, as requirements at OUS institutions vary, and elective choices differ depending on the intended transfer institution. Each student must contact the specific OUS 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 OUS institution and the Business school/program.

Guidelines

PE 183R

- 1. Complete a total of 90 credits with a minimum of 24 credits earned at Lane to be awarded the ASOT-Business.
- All courses should be aligned with the student's program of study and the degree requirements of the intended transfer institution. Transfer students are encouraged to work with an advisor in the selection of courses.
- All Foundational Requirements and Discipline Studies courses must be a minimum of 3 credits. All Elective courses may be any number of credits
- 4. All courses must be passed with a grade of "C-" or better.

- Students must have a minimum cumulative GPA of 2.0 at the time the ASOT-Business is awarded.
- Cumulative GPA must be at least 2.0 at the time the Associate of Science Oregon Transfer-Business degree is awarded.
- Foundational Skills and Discipline Studies coures must be a minimum of 3 credits.
- 7. All Elective courses may be any number of credits.

I. Foundational Skills

Writing

PE 197A

PE 197C

9 credits of WR121, WR122, and WR123, OR

8 credits of WR121 and either WR122 or WR227.

Information Literacy will be included in the writing requirement.

Oral Communications

One course in the fundamentals of speech: SP100, 105, 111, 112, 115, 130, 218, 219, 220, 262.

Mathematics

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

Computer Applications

Proficiency in word-processing, spreadsheet, database, and presentation software as demonstrated by successful completion of appropriate courses. Each student must see an advisor or counselor to determine which course(s) will best meet the requirements of an intended transfer institution. CIS 101, CS 120.

II. Discipline Studies

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

Arts and Letters

3 courses from approved list on page 36-37 chosen from at least two disciplines.

Social Sciences

4 courses from approved list, with a minimum of two courses in "principles of economics" (to include microeconomics and macroeconomics) at the 200 level.

Science

4 courses from at least two disciplines including at least three laboratory courses in the biological and/or physical sciences from approved list on pages 38.

Cultural Literacy

One course from any discipline studies courses designated as meeting the statewide criteria for cultural literacy.

Notes

- Repeatable Discipline Studies courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats meet Electives requirements.
- 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.

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 OUS institutions 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 and University-Specific Prerequisites

Any college-level courses that will bring total credits to 90 quarter hours including up to 12 credits of Career Technical Education. Career Technical subject codes are listed on page 45. 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.

- Policies on accepting career technical credits vary at the fouryear colleges in Oregon. Consult an academic adviser about taking career technical courses as electives for transfer to a fouryear institution.
- Up to 18 credits of Cooperative Education may be included as electives. See lists on page 205-206.
- 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 providing that the WR 115 course was completed summer 1999 or later.

Notes and Clarifications

1. Choose courses numbered 100 or higher. Although they are important in terms of preparation, courses that are developmental in nature are designed to prepare students for college-level work and are not counted in the 90 quarter hours required for the ASOT-Business. Course numbers 001-099 identify these courses (e.g., RD 090 or WR 080). Additionally, the following courses are considered developmental: ENG 110, 116, 117; RD 115; WR 110, 115 (taken before summer 1999) or 120.



- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or 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.
- 4. For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admissions 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 assessment of proficiency. Demonstrated proficiency in American Sign Language meets this second language admission requirement.

- 5. Credit-by-Exam and Credit-by-Assessment may comprise up to 22 credits of degree.
- 6. Some courses may be repeatable. Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements, unless specifically excluded by your program. Repeating courses may not help you progress toward program completion. Read the course description to understand how many times the course may be repeated. Most Independent Study courses and all PE activity courses may be repeated. Read your program of study to understand if and how a repeat will be applied to your program.
- 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 an Oregon University System institution. In such cases, the courses in question will normally transfer as electives.
- 8. Students may select up to 16 credits P/NP option. This limit does not include courses only offered P/NP.

Associate of Science Degree

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

Award of this degree does not guarantee admission to an OUS institution, or that lower division general education requirements have been met at an OUS institution, nor does it ensure junior status for registration purposes. A student selecting this transfer option still must meet the receiving university's admission requirements, including course standing, grade point average and foreign language.

Each student is strongly encouraged to work with an 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

- 1. Complete a total of 90 credits with a minimum of 24 credits earned at Lane to be awarded the Associate of Science degree.
- All courses should be aligned with the student's program of study and the degree requirements of the intended transfer institution. Transfer students are encouraged to work with an advisor in the selection of courses.
- 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.
- Pass all Foundational Skills courses with a grade of "C-" or "P" or better.
- 5. All Elective courses may be any number of credits.
- Cumulative GPA must be at least 2.0 when the Associate of General Studies degree is awarded.

I. Foundational Skills

English Composition

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

Mathematics

4 credits MTH 105 or higher

Physical Education or Health

Physical Education

3 credits one course required from the list of activity classes on page 39, plus two additional credits from PE 181-298. One credit from PE 186W and one credit from a Dance prefix accepted to meet this requirement.

OR

Health Education

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

II. Discipline Studies

In addition to courses used for foundational skills in section I, students must select additional courses in the areas identified below.

Two courses in each discipline area below must be a minimum of 3 credits.

Arts/Letters

3 courses from the following: Art, Dance, Effective Learning, Film Arts, Foreign Language, Humanities, Journalism, Literature, Music, Philosophy, Religion, Speech, Theater Arts, Writing

Social Science

3 courses from the following: Anthropology, Economics, Ethnic Studies, Geographic Information Science (GIS), Geography, History, Human Relations (CG and HS prefixed courses), Philosophy, Political Science, Psychology, Religion, Sociology, Women's Studies.

Science/Math/Computer Science

9 courses from the following: Biology (see Note on page 38 for instruction), Astronomy, Botany, Chemistry, Computer Science (CS prefix courses only, not CIS), Engineering, Geographic Information Science (GIS), Geology (G or ENVS), Mathematics (MTH 105 and higher), The Natural Environment (GEOG 141), Physical Anthropology (ANTH 101), 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, and PSY 217.

Career Technical courses fulfilling this requirement are not counted toward the 12-credit limit for the AS degree.

Notes

- Repeatable Discipline Studies courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats meet Electives requirements.
- 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.

III. Electives

Electives may include any college-level course that would bring total credits to 90 quarter hours including up to 12 credits of Career Technical Education. Career Technical subject codes are listed on page 45.

- Policies on accepting career technical credits vary at fouryear colleges. Consult an academic adviser about taking career technical courses as electives for transfer to a four-year institution.
- Up to 18 credits of Cooperative Education may be included as electives. See lists on page 205-206.
- 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 providing that the WR 115 course was completed summer 1999 or later.

Notes

 Choose courses numbered 100 or higher. Although they are important in terms of preparation, courses that are developmental in nature are designed to prepare students for college-level work and are not counted in the 90 quarter hours required for the ASOT-Business. Course numbers 001-099 identify these courses (e.g., RD 090 or WR 080). Additionally, the

- following courses are considered developmental: ENG 110, 116, 117; RD 115; WR 110, 115 (taken before summer 1999) or 120.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or advisor. Waiver testing is not the same as placement testing.
- 3. Students may select up to 16 credits P/NP option. This limit does not include courses only offered P/NP.
- 4. For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admissions 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 assessment of proficiency. Demonstrated proficiency in American Sign Language meets this second language admission requirement.
- 5. Credit-by-Exam and Credit-by-Assessment may comprise up to 22 credits of the degree.
- 6. Some courses may be repeatable. Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements, unless specifically excluded by your program. Repeating courses may not help you progress toward program completion. Read the course description to understand how many times the course may be repeated. Most Independent Study courses and all PE activity courses may be repeated. Read your program of study to understand if and how a repeat will be applied to your program.
- 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 an Oregon University System institution. In such cases, the courses in question will normally transfer as electives.

Additional Information: See "Degrees and Certificates," page 33.

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 transfer 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 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 with a minimum of 24 credits earned at Lane to be awarded the Associate of General Studies degree.
- 2. All courses should be aligned with the student's program of study and the degree requirements of the intended transfer

- institution. Transfer students are encouraged to work with an advisor in the selection of courses.
- 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.
- Pass all Foundational Skills courses with a grade of "C-" or "P" or better
- 5. All Elective courses may be any number of credits.
- Cumulative GPA must be at least 2.0 when the Associate of General Studies degree is awarded.

I. Foundational Skills

English Composition

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

Mathematics

4 credits complete one of the following options: MTH 105 or higher OR

MTH 052 or higher and one of the following: CIS 101 or CS 120 (all credits are counted in this area).

Physical Education or Health

3 credits, one course required from the list of activity classes from the AAOT, plus two additional credits from PE 181-298. One credit from PE 186W and one credit from a Dance prefix accepted to meet this requirement.

OR

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

II. Discipline Studies

In addition to courses used in section I, students must select additional courses in the areas identified below.

Arts/Letters

12 credits choose from the following: Art, Dance, Effective Learning, Film Arts, Foreign Language, Humanities, Journalism, Literature, Music, Philosophy, Religion, Speech, Theater Arts, Writing.

Social Science

12 credits choose from the following: Anthropology, Economics, Ethnic Studies, Geographic Information Science (GIS), Geography, History, Human Relations (CG and HS prefixed courses), Humanities (HUM 100) Through the Arts, Philosophy, Political Science, Psychology, Religion, Sociology, Women's Studies.

Science/Math/Computer Science

14 credits choose from the following: Biology (see Note on page 43 for instruction) Astronomy, Botany, Chemistry, Computer Science (CS prefix courses only, not CIS), Engineering, Geographic Information Science (GIS), Geology (G or ENVS), Mathematics (MTH 105 and higher), The Natural Environment (GEOG 141), Physical Anthropology (ANTH 101), 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, and PSY 217.

Notes

- Repeatable Discipline Studies courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats meet Electives requirements.
- 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.

III. Electives

Electives may include any college-level course that would bring total credits to 90 quarter hours:

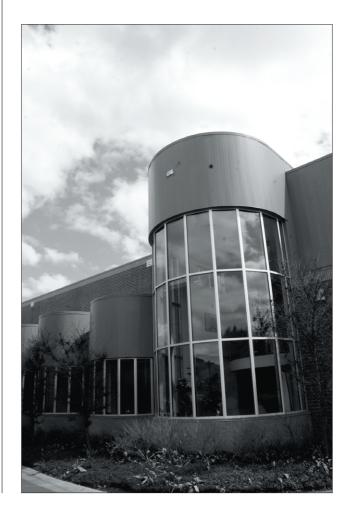
- Policies on accepting career technical credits vary at fouryear colleges. Consult an academic adviser about taking career technical courses as electives for transfer to a four-year institution.
- Up to 18 credits of Cooperative Education may be included as electives. See lists on page 205-206.
- Up 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 providing that the WR 115 course was completed summer 1999 or later.

Notes

- 1. Choose courses numbered 100 or higher. Although they are important in terms of preparation, courses that are developmental in nature are designed to prepare students for college-level work and are not counted in the 90 quarter hours required for the AGS. Course numbers 001-099 identify these courses (e.g., RD 090 or WR 080). Additionally, the following courses are considered developmental: ENG 110, 116, 117; RD 115; WR 110, 115 (taken before summer 1999) or 120.
- Foundational Skills are open to demonstration of proficiency. For information on waiver testing or credit for prior learning, contact a counselor or advisor.
- 3. Students may select up to 16 credits P/NP. This limit does not include courses only offered P/NP.

- 4. For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admissions 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 assessment of proficiency. 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.
- 6. Some courses may be repeatable. Repeatable courses may be used once to meet a Discipline Studies requirement. Any additional allowable repeats may be used to meet Elective requirements, unless specifically excluded by your program. Repeating courses may not help you progress toward program completion. Read the course description to understand how many times the course may be repeated. Most Independent Study courses and all PE activity courses may be repeated. Read your program of study to understand if and how a repeat will be applied to your program.
- 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 an Oregon University System institution. In such cases, the courses in question will normally transfer as electives.

Additional Information: See "Degrees and Certificates," page 33.



Associate of Applied Science Degree

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 subject codes listed on page 45.

Students who wish to pursue an AAS degree must choose a career technical program and follow the requirements listed for that program (see listings on pages 65-157 for specific curriculum).

Each student is strongly encouraged to work with a Lane 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.
- Pass all Foundational Skills and Discipline Studies courses with a grade of "C-" or "P" or better, unless your AAS program has different requirements.
- Pass all required program core courses with a letter grade of "C-" or better.
- 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

Students must complete all General Education 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 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. Waiver testing is not the same as placement testing.

Writing

3 credits (one class). See your program for the specific required class. If none is listed, you must take one course, WR 115 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

3 credits, one course required from the approved list of PE activity classes from the AAOT, plus two additional credits from PE 181-298. One credit from PE 186W and one credit from a Dance prefix accepted to meet this requirement.

OR

3 credits EXMS 214, FN 225, HE 152, 209, 222, 240, 250, 255, 262 or 275; 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

3 credits minimum from one subject prefix as specified by program, or if not specified, chosen from Art, Dance, Effective Learning, English, Film Arts, Foreign Language, Humanities, Journalism, Literature, Music, Philosophy, Religion, Speech, Theater Arts, Writing, AlL 201-203, or ES 244.

Human Relations

One course, 3 credits minimum. See your program for the specific required class. If none is listed, you may choose from the list on page 44-45.

Social Science

See your program for a specific required class. If none is listed, you may take any course from the following: Anthropology, Economics, Ethnic Studies, Geographic Information Science, Geography, History, Philosophy, Humanities (HUM 100) Through the Arts, Political Science, Psychology, Religion, Sociology, or Women's Studies.

Science/Math/Computer Science

3 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 ENVS), Mathematics (must be a higher level course than the minimum required by the program), 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, 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, pages 65-157.

Additional Information: See "Additional Information" under Certificate, page 46.

Human Relations Courses

Three credits from this list will meet the Human Relations component for AAS degrees and certificates.

ANTH 103	Cultural Anthropology
BA 278	Leadership and Team Dynamics
BT 112	Team Building Skills
CG 100	College Success
CG 140	Career and Life Planning
CG 144	Introduction to Assertive Behavior
CG 145	Coping Skills for Stress and Depression
CG 203	Human Relations at Work
CG 204	Eliminating Self-Defeating Behavior
CG 211,212	Dreikursian Principles of Child Guidance 1,2
CG 213	Improving Parent-Child Relations
CPSY 200	Understanding Addictive Behavior
GEOG 142	Introduction to Human Geography
HO 102	Diversity Issues in Healthcare
PHL 201	Ethics
PHL 205	Contemporary Moral Issues
PS 204	Introduction to Comparative Politics
PS 213	Peace and Conflict Studies: Local
PSY 110	Exploring Psychology
PSY 205	Applied Psychology
SP 218	Interpersonal Communication
SP 219	Small Group Discussion
SOC 108, 108A	Selected Topics in Women's Studies
SOC 204	Introduction to Sociology
SOC 205	Social Stratification and Social Systems
SOC 206	Institutions and Social Change

SOC 207 Women and Work

SOC 210 Marriage, Family and Intimate Relations

SOC 211 Social Deviance SOC 225 Social Problems

WS 101 Introduction to Women's Studies

AAS Programs at Lane

Curriculum for the following programs may be found on pages 65-157 and are listed in alphabetical order.

Accounting

Administrative Office Professional

Auto Body and Fender Technology - Auto Collision Option Auto Body and Fender Technology - Auto Paint Option

Automotive Technology Aviation Maintenance Computer Information Systems

Computer Information Systems - Health Informatics

Computer Network Operations
Computer Programming

Computer Simulation and Gamer Development

Construction Technology

Construction Trades - General Apprenticeship Culinary Arts and Food Service Management

Dental Hygiene Diesel Technology

Drafting

Early Childhood Education

Electrician Apprenticeship Technologies

Electronic Technology

Energy Management Technician

Energy Management – Building Controls Technician Option Energy Management - Renewable Energy Technician Option

Exercise and Movement Science Fabrication/Welding Technology

Flight Technology

Geospatial Information Science Technician

Graphic Design Hospitality Management Human Services

Human Services - Criminal Justice

Industrial Mechanics and Maintenance Technology

Manufacturing Technology

Manufacturing Technology - CNC Technician Option

Multimedia Design Nursing Paramedicine

Physical Therapist Assistant

Respiratory Care Retail Management Sustainability Coordinator Water Conservation Technician Watershed Science Technician

Career Technical Courses

Students may include up to twelve career technical elective credits in the Associate of Arts Oregon Transfer (AAOT) and Associate of

Science degrees from Lane Community College. Policies on accepting career technical credits vary at the four-year colleges in Oregon. Consult an academic adviser 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:

AB Auto Body
AM Automotive
APR Apprenticeship
AS Aerospace Science
AUD Audio Production
AV Aviation Maintenance
BT Business Technology

CA Culinary Arts
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

EXMS Exercise and Movement Science

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

HO Health Occupations

HRTM Hotel, Restaurant, Tourism Management

HS Human Services
LA Legal Assistant
LAT Landscape Technology
MA Medical Assisting
MDP Multimedia Production
MFG Manufacturing

MUL Multimedia NRG Energy NRS Nursing

OST Occupational Skills Training
PN Practical Nursing
PTA Physical Therapist Assistant
RT Respiratory Therapy

RTEC Regional Technology Education Consortium

SUST Sustainability
VP Video Production
WATR Water Conservation

WLD Welding

Career Technical subject codes previously used by Lane include: AVN, APPR, BVDP, CSP, EET, ELT, IT, LE, LGL, MMT, MO, MS, NUR,

OA, PA, PGS, PST, PTV, RE, RH, RVS, SS.

Certificate (One-Year and Two-Year)

Students are encouraged to contact an 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 programs. Refer to the individual programs for more specific requirements.

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

One course, minimum 3 credits as specified by the program, or if not specified, WR 115W

Mathematics

One course, minimum 3 credits as specified by the program, or if not specified, MTH 025 or higher.

Human Relations

3 credits (one course) as specified by program, or if not specified from the approved list on pages 44-45.

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, pages 68-157. See Degree and Certificate Overview, page 33.

Additional Information: See "Degrees and Certificates," page 33.

 The requirements listed in Section I are minimums. 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 and Student Financial Services at lanecc.edu/es/forms/html.

- 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 on pages 205-206 may be used.
- A maximum of 12 credits of Physical Education listed on page 44 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.

One- and Two-year Certificates offered at Lane

Curriculum for the following certificates may be found on pages 65-157. The certificates are listed in alphabetical order.

Auto Body and Fender Technology, 2-year Automotive Technology, 2-year Aviation Maintenance Technician, 2-year Basic Manufacturing/Machining Technician, 1-year Business Assistant, 1-year Computer Specialist, 1-year Construction Technology, 1-year Construction Trades, General Apprenticeship, 1-year Dental Assisting, 1-year Diesel Technology, 2-year Drafting, 1-year Early Childhood Education, 1-year Electrician Apprenticeship Technologies, 1-year Emergency Medical Technician, 1-year Fitness Specialist Level 1, 1-year Fitness Specialist Level 2, 2-year Fabrication/Welding Technology, 1-year Health Records Technology, 1-year Human Services: Juvenile Corrections, 1-year Industrial Mechanics & Maintenance Technology, 1-year Manufacturing Technology, 2-year Medical Office Assistant, 1-year Multimedia Design, 1-year

Oregon Transfer Module

A state-approved Transcription Notation

(not a degree or certificate)

For students intending to transfer within a year to an Oregon University System institution, 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 Oregon Transfer Module that conforms to the guidelines below will have met the requirements for the Transfer Module at any Oregon community college or institution in the Oregon University System. Upon transfer, the receiving institution may specify additional course work that is 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. Oregon Transfer Module credits also may not match program requirements in the receiving school. Students are encouraged to meet with a counselor or advisor for planning their courses. The Oregon Transfer Module includes 45 credits of course work, equivalent to 3 academic quarters.

I. Foundational Skills

Occupational Skills, 1-year

Welding Processes, 1-year

Practical Nursing, 1-year

Web Design, 1-year

Writing

Two courses of college-level composition (WR 121, WR 122, WR 123, or WR 227)

Oral Communications

One course of fundamentals of speech or communication (SP 100, SP 111 or SP 112)

Mathematics

One course of college-level mathematics, for which at least MTH 095 is a prerequisite (MTH 105 or higher)

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

3 courses from approved list, page 36-37

Social Sciences

3 courses from approved list, pages 37-38

Science/Math/Computer Science

3 courses from the approved list on pages 38 including at least one biological or physical science with a lab

III. Additional Requirements

Electives As required to bring the total credits to 45. Courses must be from the Introduction to Disciplines areas (Arts and Letters, Social

Sciences, or Science/Math/Computer Science). Grades All courses must have a grade of "C-" or better. Students must have a minimum cumulative GPA of 2.0 at the time the module is posted to the students transcript.

Developmental Courses Courses that 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.

All Oregon community colleges and Oregon University System institutions will offer students the opportunity to complete an Oregon Transfer 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 issue Transfer Modules, which will be accepted at any Oregon public college or university.

Transfer

Planning to Transfer

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 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 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 adviser and make use of the ATLAS system when designing their degrees. 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 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 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. For students with 0-89 eligible credits, the financial aid reward is administered by Lane; for students with 90 or more eligible credits, the financial aid is administered by OSU.

Degrees

For information about degrees and limitations, see pages 47.

Transfer Majors Students can begin preparing for many careers at Lane. The following is a list of majors and the counselor/advisor for Lane courses that may transfer to a university in the Oregon University System. (Not all majors are offered at every university.)

Major	Counselor/Academic Advisor
	Debby Ganser/Deidre Lyons
Anthropology	Anthony Hampton/Cindy Lott
	Christina Salter
	Anthony Hampton/Cindy Lott
	Christina Salter
	Debby Ganser/Deidre Lyons
Business Administration	Marva Solomon/Deb Hupcey
Chemistry	Debby Ganser/Deidre Lyons
Computer and Information	,
	Debby Ganser/Deidre Lyons
	Anthony Hampton/Cindy Lott
Dance	Christina Salter
	See Counseling Dept.
	Debby Ganser/Deidre Lyons
Drama, see Theatre Arts	•
Economics	Anthony Hampton/Cindy Lott
	Marva Solomon/Deb Hupcey
Engineering; Engineering Tec	h Debby Ganser/Deidre Lyons
	Anthony Hampton/Cindy Lott
_	Debby Ganser/Deidre Lyons
	See Counseling Dept.
Foreign Languages	Anthony Hampton/Cindy Lott
	Debby Ganser/Deidre Lyons
	Debby Ganser/Deidre Lyons
	Anthony Hampton/Cindy Lott
	nceAnthony Hampton/Cindy Lott
	Anthony Hampton/Cindy Lott
	Debby Ganser/Deidre Lyons
Health and Health Education;	
Administration	See Counseling Dept.
	Anthony Hampton/Cindy Lott
Home Economics	See Counseling Dept.
Hotel, Restaurant and	ũ i
Tourism Management	Carolyn Litty/Claudia Riumallo
	Christina Salter
	Anthony Hampton/Cindy Lott
	, zoology) Debby Ganser/Deidre Lyons
	Anthony Hampton/Cindy Lott
	Debby Ganser/Deidre Lyons
	Debby Ganser/Deidre Lyons
Medical Technology	•
(pre-professional)	Debby Ganser/Deidre Lyons
	Christina Salter
Nursing (four-year degree)	See Counseling Department
Occupational Therapy	.
(pre-professional)	Debby Ganser/Deidre Lyons

Performing Arts (dance, music, theatre)
program) Debby Ganser/Deidre Lyons
Physics
Political ScienceAnthony Hampton/Cindy Lott
PsychologyAnthony Hampton/Cindy Lott
Public Administration Anthony Hampton/Cindy Lott
Recreation
ReligionAnthony Hampton/Cindy Lott
Secondary EducationCounseling Staff
Social ScienceAnthony Hampton/Cindy Lott
Sociology Anthony Hampton/Cindy Lott
SpeechAnthony Hampton/Cindy Lott
SustainabilityCarolyn Litty/Claudia Riumallo
Theatre Arts Christina Salter
Veterinary Medicine (pre-professional
program)Debby Ganser/Deidre Lyons

Transfer Hotline If a student has a problem in transferring classes to an Oregon University System institution, the student should first try to resolve it with his or her advisor. If the problem cannot be solved at that point, the student may call the Transfer Problem Hotline at the Oregon Department of Education for additional help. The hotline number is 541.378.8609.

Counselors for "Undeclared" Students A counselor is assigned to each academic department and to each student who is undecided about or is exploring a major. Students can receive guidance in taking initial courses, using career center resources, and setting educational goals.

Schedules for Undeclared counselors and academic advisors are available by calling 541.463.3200 and also can be found along with online academic advising resources by going to Lane's Moodle site at *classes.lanecc.edu*, choose Academic Advising, and U ndeclared.

Career Technical Programs

The career technical programs described on pages 66-157 and appear in alphabetical order on the list below. Curriculum requirements are listed for each program and 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 a Lane counselor/advisor or the department offering a particular program. Current counselors/advisors for each program are listed with each program.

Depending on the career technical program in which they are enrolled, students can earn a two-year Associate of Applied Science degree or a one- or two-year certificate of completion.

Lane also offers noncredit opportunities for career training and continuing education. These are described on page 273.

The notations next to each program indicate the following:

AAS Two-year Associate of Applied Science Degree Program
1-yr cer One-year Certificate of Completion Program
2-yr cert Two-year Certificate of Completion Program
CPC Career Pathways Certificate

Computer Game Programming in
C++ (CPC).......Debby Ganser/Deidre Lyons
Computer Specialist

(1-yr cert) Debby Ganser/Deidre Lyons Computer Systems Support (AAS) Debby Ganser/Deidre Lyons Construction Technology

(AAS, Certificate) See Counseling Dept.

Food Preparation and Production (CPC) Carolyn Litty/Claudia Riumallo Dental Assisting (1-yr cert)................................. See Counseling Dept. Dental Hygiene (AAS)...... See Counseling Dept. Diesel Technology (AAS, 2-yr cert) ... Carolyn Litty/Claudia Riumallo Lift Truck/Material Handling Equipment Technician Option (AAS) Drafting (AAS, 1-yr cert) Carolyn Litty/Claudia Riumallo Early Childhood Education (AAS and 1-yr cert)......Marva Solomon/Deb Hupcey Electrician Apprenticeship Technologies (AAS, cert)...... See Counseling Dept. Limited Electrician Apprenticeship Technologies (cert) Electronic Technology (AAS)......Carolyn Litty/Claudia Riumallo **Emergency Medical Technician** (1-yr cert) See Counseling Dept. Emergency Medical Technology - Paramedic Energy Management Technician (AAS) Debby Ganser/Deidre Lyons Renewable Energy Technician Option (AAS)...... Debby Ganser/Deidre Lyons Resource Conservation Management Option (AAS)...... Debby Ganser/Deidre Lyons Exercise and Movement Science (AAS) See Counseling Dept. Fitness Specialist (2-yr cert) See Counseling Dept. Fitness Technician (1-yr cert)...... See Counseling Dept. Fabrication/Welding Technology Welding Processes (1-yr cert) Carolyn Litty/Claudia Riumallo Flight Technology (AAS) Carolyn Litty/Claudia Riumallo Geospatial Information Science and Technology (AAS) Graphic Design (AAS and 2-yr cert) Christina Salter Health Records Technology (1-yr cert) See Counseling Dept. Medical Coding (CPC) See Counseling Dept. Medical Transcriptionist (CPC)...... See Counseling Dept. Hospitality Management (AAS)....... Carolyn Litty/Claudia Riumallo Food Service Restaurant Ownership (CPC)......... Carolyn Litty/Claudia Riumallo Human Services (AAS) Anthony Hampton/Cindy Lott Adult Development and Aging (CPC)......Anthony Hampton/Cindy Lott **Human Services:** Criminal Justice (AAS)......Anthony Hampton/Cindy Lott Human Services: Juvenile Corrections (1-yr cert) Anthony Hampton/Cindy Lott Industrial Mechanics and Maintenance Technology (AAS, Cert)......Carolyn Litty/Claudia Riumallo Manufacturing Technology

(AAS and 1-yr cert)......Marva Solomon/Deb Hupcey
Retail Management (CPC)Marva Solomon/Deb Hupcey
Sustainability Coordinator (AAS)See Counseling Dept.

Water Conservation Technician	
(AAS)	Debby Ganser/Deidre Lyons
Watershed Science	
Technician (AAS)	Debby Ganser/Deidre Lyons

Noncredit Programs Business Development Center

Farm Business Management Non-Profit Management Small Business Management

Continuing Education

Massage Therapist Nursing Assistant

Procedures and Policies

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 insure 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 and Student Financial Services at lanecc.edu/es/forms/html.

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. Lane's Academic Standards and Alert System are described on page 54.

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 unless they have contacted the instructor and received permission for the absence. Otherwise, their place in the class may be given to another student who is waiting for space in the class, and the original student may not be permitted to continue in the class. 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 with prior college course work are eligible for an official review after completing six credits in their program or course of study. For more details, see Transfer Process on page 39.

Students are encouraged to use the Transfer Equivalency Look-up tool (lanecc.edu/esfs/general-information-transferring-credits) in order to see how credits from other institutions transfer to Lane. The evaluations provided by the Look-up tool are unofficial and not binding. Transfer equivalent 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 with the opportunity for on-the-job education while offering 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 Chair, 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. Precollege 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. Prefixes for career technical courses are listed on page 41.
- 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.

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.

Progress Reports Lane is in the process of piloting a way for students to view their progress toward degree and certification completion. Results will be available to students in myLane. Watch myLane for future announcements.

Oregon Transfer Module The Oregon Transfer Module and OTM designation will be posted in the student's transcript by request and upon completion. Students must submit the form "Application for Diploma" to verify completion of the requirements.

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 and Student Financial Services Building 1, First Floor, 541.463.3100, (877) 520-5391, or TTY 541.463.4722

Process online admissions, provides registration and billing assistance to all students, and responds to all questions and issues regarding financial aid. Hours are Monday-Thursday, 9 a.m.-5 p.m., and Friday, 9 a.m.-2 p.m.

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.
- * Notated on official transcripts

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 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 and Student Financial 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 to full-term classes (adds/drops, pass/nopass, audit options) is midnight Friday of the eighth week of the term. A "full term" is 11 to 12 weeks. Exceptions to this policy are classes that begin and end at times other than the first and last day of the term. Contact Enrollment and Student Financial 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).

Course grade options for students after the eight-week deadline are: 1) the grade earned, 2) "NC" (no credit), or 3) "I" Incomplete with instructor approval.

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.

Administrative Withdrawal Students may 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 50 percent of the class meetings the first week of the term. This period coincides with the refund period.

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 and Student Financial 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.

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.

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 and Student Financial 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. Academic Requirements Review Committee petitions and Progress Review petitions are processed through Enrollment and Student Financial 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 and Student Financial 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

- · E-mail address
- 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 and Student Financial 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 and Student Financial 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 and Student Financial 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 and Student Financial 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.

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:

recorded on transcripts and grade records at Lane.			
Points	Definition		
4.0	Excellent Performance		
3.0	Good Performance		
2.0	Satisfactory Performance		
1.0	Less than Satisfactory Performance		
0.0	Unsatisfactory Performance		
	Plus or minus 0.30 points, effective July 1, 1999		
0.0	Pass (equal to A- thru C-)		
	No Pass (D and below)		
	Incomplete		
	Audit		
	Withdrawal (Prior to 1991)		
	No Basis for Grade (Prior to 1997)		
	Not Completed (no credit)		
	Enrolled		
	Enrolled		
	Completed		
	Not Completed		
	Conversion Grade		
Immediately following the grade:			
	Points 4.0 3.0 2.0 1.0 0.0		

minioaic	tory ronoving the grade.
@	Credit By Assessment or CEU By Assessment
<	Academic Renewal (not calculated in cumulative GPA)
*	Withdrawal after Refund Deadline (no grade recorded)
E	Repeated Course Points earned not included in the cumulative grade point average (GPA)
~	Credit by Exam or CFU 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:

Λ.	= 4.30	р.	= 3.30	C.	= 2.30	ρ.	1 20
H+	= 4.30	D+	= 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-Beginning Tennis	1	В	3
EL 115-Effective Learning	3*	Р	0*
FE 207 Coop Ed	2	C+	4.60
TOTAL GPA Cre	dit 6	TOTAL POINTS	19.60
19.60 ÷	6 = 3.264	GPA	

^{*} Points are not included in calculation, because of P grade. Total credits earned in this example are nine.

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 (**No Credit**) 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."

Academic Standards and Alert System The college believes it has an obligation and a responsibility to help students meet their educational goals. To meet this responsibility, the college will provide assistance to students who, for whatever reason, fail to meet the academic standards necessary to meet their educational goals.

Academic Standards* Academic standards will be determined based on the total credits you have earned. As the number of credits earned increases, the cumulative GPA and percent of credits completed increases as well, according to the charge below:

Cumulative Credit Hours Earned	Cumulative GPA	Percent of Credits	
0 - 36	1.70	50%	
37 - 100+	2.00	50%	

In addition to the cumulative grade point average, students must complete 50 percent of their enrolled credits as of the eighth week.

Following is the resulting action for each consecutive term in which a student fails to meet academic standards:

- A student who fails to meet the academic standards will receive an Alert-1 notification. That notification will provide information covering the services of the college that might be helpful.
- A student who fails to meet the academic standards a second consecutive term will be placed on Alert-2, and a notification will be sent encouraging a counselor/advisor conference.
- A student who fails to meet the academic standards a third consecutive term will be placed on Alert-3, and again a notification will be sent encouraging a counselor/advisor conference.
- A student who fails to meet the academic standards a fourth consecutive term will be dismissed from college credit classes and programs for one calendar year.
- * Academic Standards may change for the 2013-14 academic year. Policies were not finalized at the time of this printing.

Petitions to the Academic Progress Review Committee The student is provided the opportunity to petition the Academic Progress Review Committee for reinstatement into the college earlier than the one year dismissal period. Petitions are available from Enrollment and Student Financial Services at lanecc.edulesfs/enrollmentservices-forms and must be turned in with a student planner by the sixth week of the subsequent term of dismissal.

Removal of Probation A student who is placed on probation can be removed by exceeding the cumulative grade point average standard. Once removed from probation, students who do not meet the academic standards start again at the warning step.

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. Iinformation 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 Petition to Absolve Credit from the Cumulative Grade Point Average form. The form is available at lanecc.edulesfs/enrollment-services-forms. 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

NOTE: Many institutions will not recognize Petition to Absolve process when calculating a GPA for admission purposes.

point average. The original course and grade will remain on the stu-

dent's transcript. This cannot be reversed once it is applied to the

Academic Renewal Policy

student's record.

Academic Renewal Academic renewal is an opportunity for students whose initial effort at Lane resulted in poor grades. After an absence of at least four years, a student who maintains a 2.5 or higher G.P.A. may request that prior grade records be removed from the calculation of the cumulative grade point average. This policy applies only to Lane transcripts and is on a one-time only basis. See the criteria and procedures listed below.

To be eligible for academic renewal, a student must:

- have been absent from Lane for four or more years.
- have completed 24 credits with a GPA of 2.5 upon returning to lane.
- have completed the academic renewal application.
- · not have been granted academic renewal in the past.

Application of the academic renewal policy results in the following:

- All course and grade information will remain on the transcript along with a notation about being granted academic renewal.
- All applicable course work including courses that have been excluded from the GPA will be used to meet graduation requirements if course work meets current degree/certificate standards.
- · None of the excluded grades will be calculated in the GPA.

The Academic Renewal cannot be reversed once applied to the student's record.

Note: Many institutions will not recognize the Academic Renewal 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

Treatment of Learners A.020

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.
- 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
- 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.
- 8. There is adequate provision for the safety and security of learners.

Harassment PolicyD.020

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 D.030

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 collegeowned 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 D.050

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
 - b. at college-sponsored activities using procedures specified in administrative rules; or
 - at college activities catered by legally licensed and insured businesses or agencies, using procedures specified in administrative rules (see lanecc.edu/cops/foodalc.htm); 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.

Equality of Opportunity in Admissions D.070

Anyone who is at least 18 years of age for credit classes and at least 16 years of age for continuing education classes may enroll at Lane Community College. 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, disability, religion, expunged juvenile record, or veteran's status.

Also, see general Equal Opportunity statement on the inside back cover of this catalog.

Tuition D.110

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).

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.

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: Lynn Lodge, Disability Resources, Building 1, Room 218, 541.463.5059, TTY Relay: 711
- Problems with access to Lane's facilities: Dave Willis, Director, Facilities Management and Planning, Building 7, Room 204B, 541.463.5566
- Employee workplace accommodations: Darcy Dillon, Human Resources, Building 3, Room 114, 541.463.5589
- Disability related complaints/Section 504 Coordinators: Nancy Hart, Disability 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: 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, Psilocybin hallucinations; 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.) Opium lethargy; apathy; loss of judgment and self-control; tolerance; dependence; convulsions; coma; death.

Deliriants Mental confusion. (A.) Aerosol products (B.) Lighter Fluid (C.) Paint Thinner and other Inhalants damage to brain, lungs; convulsions; death.

Alcohol A sedative drug tolerance; 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 indistrict 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 and Student Financial 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. Accomidations for Access

Disability 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 Disability Resources offers advocates for the removal of attitudinal and architectural barriers, and provides in-class 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 page 60.

I. Additional Rights of Petition and Appeal

For grade and academic appeals process, contact Enrollment and Student Financial 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 formal and informal grievance procedures. See specific procedures outlined in the complete student code: General Student Complaint Process. Contact Office of Academic and Student Affairs, 541.463.5732.

V. Discipline

The Student Code of Conduct applies to anyone accepted for admission, registered for one or more classes, and/or enrolled in any special program approved by Lane Community College.

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 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.

If a student is dismissed for inappropriate behavior, faculty must 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. Dismissal as a result of faculty action is counted toward the maximum number of absences allowed in the class.

Campus Public Safety may be called to assist in any disciplinary situation. The assisting security 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

The purpose of this Code of Conduct is to protect the individual rights of students and staff 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 staff, property protection, record security, and other education-related services.

Through this 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 charged with code violations are entitled to due process as described in this code and students may appeal certain penalties imposed for violations.

Article I: Definitions

- 1. The term "College" means Lane Community College.
- 2. The term "student" includes all persons taking courses at the College, both full-time and part-time, pursuing credit or noncredit classes or enrolled in any special program approved by the college. Persons who are not officially enrolled for a particular term, but who have a continuing relationship with the College, are considered "students."
- 3. The term "faculty member" means any person hired by the College to conduct classroom activities.
- The term "College official" includes any person employed by the College, performing administrative or professional responsibilities.
- 5. The term "judicial advisor" means a College official authorized by the Executive Dean, Student Affairs on a case-by-case basis to impose sanctions upon students found to have violated the Code of Conduct. The Executive Dean, Student Affairs or designee may serve as the judicial advisor or authorize a judicial advisor to serve simultaneously as a judicial advisor and sole member or one of the members of a judicial body. Nothing shall prevent the Executive Dean from authorizing the same judicial advisor to impose sanctions in all cases.
- 6. The term "member of the College community" includes any student, faculty member, College official, or any other person employed by the College. A person's status in a particular situation shall be determined by a judicial advisor.
- 7. The term "College premises" includes all land, buildings, facilities, and other property in the possession of, or owned, used, or controlled by the College (including adjacent streets and sidewalks).
- 8. The term "organization" means any number of persons who have complied with the formal requirements for College recognition.
- The term "judicial body" means any person or persons authorized by the judicial advisor to determine whether a student has violated the Code of Conduct and to recommend imposition of sanctions.
- 10. The term "appellate board" means any person or persons authorized by the Executive Dean, Student Affairs to consider an appeal from a judicial body's finding that a student has violated the Code of Conduct, or from sanctions imposed by the judicial advisor.
- 11. The term "shall" is used in the imperative sense.
- 12. The term "may" is used in the permissive sense.
- 13. The Executive Dean, Student Affairs is that person designated by the College President and Vice President to be responsible for the administration of the Code of Conduct.
- 14. The term "policy" is defined as the written regulations of the College as found in, but not limited to, the Code of Conduct, College board policies, the ASLCC Constitution and By-Laws, and the College Catalog.
- 15. The term "cheating" includes, but is not limited to: 1) use of any unauthorized assistance in taking quizzes, tests, or examinations; 2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or 3) the acquisition, without permission, of a test or other academic material belonging to a member of the College faculty or staff.
- 16. The term "plagiarism" includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person, without full and clear acknowledgment. It also includes the unacknowledged use of materials such as term papers or other academic materials prepared by a person other than the submitting student.

Article II: Judicial Authority

 The Executive Dean, Student Affairs or designee shall determine the composition of judicial bodies and appellate boards, determining which judicial body, judicial advisor and appellate board shall be authorized to hear each case.

- The Executive Dean, Student Affairs or designee shall develop
 policies for the administration of the judicial program and
 the procedural rules for the conduct of hearings which are
 consistent with the provisions of the Lane Community College
 Student Code of Conduct.
- 3. Decisions made by a judicial body and/or judicial advisor shall be final, pending the normal appeal process.
- 4. A judicial body may be designated as an arbiter of disputes within the student community in cases which do not involve a violation of the Code of Conduct. All parties must agree to arbitration, and to be bound by the decision, with no right of appeal.

Article III: Proscribed Conduct

A. Jurisdiction of the College

Generally, College jurisdiction and discipline shall be limited to conduct which occurs on College premises and College-sponsored activities which take place off-campus including placements and internships. This code applies to all students.

B. Conduct - Rules and Regulations

Any student found to have committed the following misconduct is subject to the disciplinary sanctions outlined in Article IVB:

- 1. Acts of dishonesty, including but not limited to the following:
 - a. Cheating, plagiarism, or other forms of academic dishonesty.
 - b. Furnishing false information to any College official, faculty member or office.
 - c. Forgery, alteration or misuse of any College document, record or instrument of identification.
 - d. Tampering with the election of any College recognized student organization.
- Disruption or obstruction of teaching, research, administration, other College activities, including public-service functions on or off campus, or other authorized activities, when the act occurs on College premises.
- Sexual assault, physical abuse, verbal abuse, threats, intimidation, harassment, coercion and/or other conduct which threatens or endangers the health or safety of any member of the College community.
- Attempted or actual theft of and/or damage to property of the College or property of a member of the College community or other personal or public property.
- 5. Hazing, defined as an act which endangers the mental or physical health or safety of a student, or which destroys or removes public or private property, for the purpose of initiation, admission into, affiliation with, or as a condition of continued membership in, a group or organization.
- Failure to comply with orders or directions of College officials or law enforcement officers acting in performance of their duties and/or failure to identify oneself to these persons when requested to do so.
- Unauthorized possession, duplication or use of keys to any College premises or unauthorized entry to, or use of, College premises.
- 8. Violation of published College policies, rules or regulations.
- Violation of federal, state, or local law on College premises, or at College sponsored and supervised activities including but not limited to:
 - Use, possession or distribution of narcotic or other controlled substances except as expressly permitted by law.
 - b. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals on College premises.
- Public intoxication, use, possession or distribution of alcoholic beverages except as expressly permitted by law and College regulations.
- 11. Participation in a campus demonstration which disrupts the normal operations of the College and infringes on the rights of other members of the College community; leading or inciting

- others to disrupt scheduled and/or normal activities within any campus building or area; intentional obstruction which unreasonably interferes with freedom of movement, either pedestrian or vehicular, on campus.
- Obstruction of the free flow of pedestrian or vehicular traffic on College premises or at College sponsored or College supervised functions.
- 13. Conduct which is disorderly, lewd, or indecent; breach of peace; or aiding, abetting or procuring another person to breach the peace on College premises or at functions sponsored or participated in by the College.
- 14. 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.
- 15. Theft, or other abuse of computer time, including but not limited to:
 - a. Unauthorized entry into a file to use, read, or change contents, or for any other purpose.
 - b. Unauthorized transfer of a file.
 - Unauthorized use of another individual's identification and password.
 - d. Use of computing facilities to interfere with the work of another student or College official.
 - e. Use of computing facilities to send obscene or abusive messages.
 - f. Use of computing facilities to interfere with normal operation of the College computing system.
- 16. Abuse of the judicial system, including but not limited to:
 - Failure to obey the summons of a judicial body or College official.
 - b. Falsification, distortion, or misrepresentation of information before a judicial body.
 - Disruption or interference with the orderly conduct of a judicial proceeding.
 - d. Knowingly initiating a judicial proceeding without cause (i.e., filing a false report).
 - e. Attempting to discourage an individual's proper participation in, or use of, the judicial system.
 - f. Attempting to influence the impartiality of a member of a judicial body prior to, and/or during, the course of a judicial proceeding.
 - g. Harassment (verbal or physical) and/or intimidation of a member of a judicial body prior to, during, or after the course of a judicial proceeding.
 - h. Failure to comply with the sanction(s) imposed under the Code of Conduct.
 - Influencing or attempting to influence another person to abuse the judicial system.

C. Violation of Law and College Discipline

- 1. College disciplinary proceedings may be instituted against a student charged with violation of a law which is also a violation of this Code of Conduct. This would apply if both violations result from the same factual situation, without regard to pending civil litigation in court, or criminal arrest and prosecution. Proceedings under the Student Code of Conduct may be carried out prior to, simultaneously with, or following civil or criminal proceedings off campus.
- 2. When a student is charged by federal, state or local authorities with a violation of law, the College will not request, or agree, to special consideration for that individual because of his or her status as a student. If the alleged offense is also the subject of a proceeding before a judicial body under the Code of Conduct, the College may advise off-campus authorities of the existence of the Code of Conduct and of how such matters will be handled internally within the College community. The College will cooperate fully with law enforcement and other agencies in

enforcement of criminal law on campus and in the conditions imposed by criminal courts for the rehabilitation of student violators. Individual students and staff members, acting in their personal capacities, remain free to interact with governmental representatives as they deem appropriate.

Article IV: Judicial Policies

A. Charges and Hearings

- 1. Any member of the College community may file charges against any student for misconduct. Students should deal with their concerns either through Campus Public Safety or by filing a student complaint. Staff should prepare charges in writing and direct them to the Executive Dean, Student Affairs and/or designee. Charges shall be submitted within 90 days after the incident.
- 2. The judicial advisor may conduct an investigation to determine the merit of the charges and/or if they can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to the judicial advisor (see Informal Report and Resolution Process). If the charges cannot be disposed of by mutual consent, the judicial advisor may later serve in the same manner as the judicial body or a member thereof (see Formal Complaint Process).
- 3. All charges shall be presented to the accused student in written form. A time of not less than five nor more than fifteen calendar days after the student notification shall be set for a hearing. Time limits for scheduling a hearing may be extended at the discretion of the judicial advisor.
- 4. Hearings shall be convened by the judicial advisor and conducted by a judicial body according to the following quidelines:
 - Hearings shall be conducted in private. Hearings will be chaired by the judicial advisor or his or her designee.
 - Admission of any person to the hearing shall be at the discretion of the judicial body and/or its judicial advisor.
 - c. In hearings involving more than one accused student, the chairperson of the judicial body, at his or her discretion, may permit separate hearings for each student.
 - d. The complainant and the accused have the right to be assisted by any advisor they choose, at their own expense. The advisor may be an attorney. The complainant and/or the accused is responsible for presenting his or her own case. Therefore, advisors are not permitted to speak or to participate directly in any hearing before a judicial body.
 - e. The complainant, the accused and the judicial body shall have the right of presenting witnesses, subject to the right of cross examination by the judicial body.
 - f. Pertinent records, exhibits and written statements may be accepted as evidence for consideration by a judicial body at the discretion of the chairperson.
 - g. All procedural questions are subject to the final decision of the judicial body chairperson.
 - After the hearing, the judicial body shall determine (by majority vote if the body consists of more than two people) whether the student has violated the code(s) of conduct as charged.
 - The judicial body's determination shall be made on the basis of whether it is more likely than not that the accused student violated the Code of Conduct.
 - The judicial body shall report its findings to the judicial advisor who will impose sanctions.
- 5. There shall be a single record of all hearings before a judicial body. The record shall be the property of the College.
- 6. Except in the case of a student charged with failing to obey the summons of a judicial body or College official, no student may be found to have violated the Code of Conduct solely because the student failed to appear before a judicial body. In all cases, the evidence in support of the charges shall be presented and considered.

B. Sanctions

- The following sanctions may be imposed by the judicial advisor upon any student, group or organization found to have violated the Code of Conduct.
 - a. Counseling, educational activities, and/or training For violations involving substance abuse the student will be required to work with the Substance Abuse Prevention Coordinator.
 - b. Warning A notice in writing to the student that the student is violating or has violated institutional regulations.
 - c. Probation A written reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to be violating any institutional regulation(s) during the probationary period.
 - d. Loss of Privileges Denial of specified privileges for a designated period of time.
 - e. Fines Fines may be imposed.
 - f. Restitution Compensation for loss, damage or injury. This may take the form of appropriate service and/or monetary or material replacement.
 - g. Discretionary Sanctions Work assignments, service to the College or other related discretionary assignments.
 - h. Deactivation Loss of all privileges, including College recognition, for a specified period of time (applies to student groups or organizations).
 - College Suspension Separation of the student from the College for a definite period of time, after which the student is eligible to return. Conditions for re-admission may be specified.
 - j. College Expulsion Permanent separation of the student from the College.
- 2. More than one of the sanctions listed above may be imposed for any single violation.
- 3. Disciplinary sanctions shall not be made part of the student's permanent academic record, but shall become part of the student's confidential record. Upon graduation, the student's confidential record may be expunged of disciplinary actions other than College suspension or expulsion, upon application to the Executive Dean, Student Affairs. Cases involving the imposition of sanctions other than College suspension or expulsion shall be expunged from the student's confidential record, consistent with the College's schedule of record disposition.
- 4. In each case in which a judicial body determines that a student has violated the Code of Conduct, the sanction(s) shall be determined by the judicial advisor. In cases in which persons other than, or in addition to, the judicial advisor have been authorized to serve as the judicial body, the recommendation of all members of the judicial body shall be considered by the judicial advisor in determining and imposing sanctions. The judicial advisor is not limited to sanctions recommended by members of the judicial body. Following the hearing, the judicial body and the judicial advisor shall advise the accused in writing of its determination and any sanction(s) imposed.

C. Interim Suspension

In certain circumstances, the Executive Dean, Student Affairs or designee may impose a College suspension pending a hearing before a judicial body, or imposition of sanctions.

- Interim suspension may be imposed only: a) to ensure the safety and wellbeing of members of the College community or the preservation of college property; b) to ensure the student's own physical or emotional safety and well-being; or c) if the student poses a threat of disruption to, or interference with, the normal operations of the College.
- During interim suspension, students shall be denied access to the campus (including classes) and/or all other College activities or privileges for which the student might otherwise be eligible, as the Executive Dean, Student Affairs or designated judicial advisor determines appropriate.

D. Appeals

- 1. A decision reached by a judicial body, or a sanction imposed by the judicial advisor, may be appealed by the accused student or complainant to an appellate board within five (5) school days of the decision. Such appeals shall be in writing and shall be delivered to the Executive Dean, Student Affairs or designee.
- Appeals shall be limited to review of the record of the initial hearing and supporting documents, except as required to explain the basis of new evidence for any of the following:
 - a. To determine whether the original hearing was conducted fairly in light of the charges and evidence presented and in conformity with the prescribed procedures, giving the complaining party a reasonable opportunity to prepare and present evidence that the Code of Conduct was violated, and giving the accused student a reasonable opportunity to prepare and to present a rebuttal of those allegations.
 - b. To determine whether the decision reached regarding the accused student was based on substantial evidence; that is, whether the facts in the case were sufficient to establish the fact that a violation of the Code of Conduct had occurred.
 - c. To determine whether the sanction(s) imposed were appropriate for the violation of the Code' of Conduct which the student was found to have committed.
 - d. To consider new evidence sufficient to alter a decision or other relevant facts not brought out in the original hearing because such evidence and/or facts were not known to the person appealing at the time of original hearing.
- 3. The appellate board will submit a written report of its findings and recommendations to the Executive Dean, Student Affairs or designee within 20 working days. The appellate board's report may include both majority and dissenting opinions. The Executive Dean, Student Affairs or designee will make the final decision on the appeal and notify the accused student and/or complaint in writing within 10 working days. If the Executive Dean, Student Affairs was the judicial advisor in the original complaint, the appellate board's report will be submitted to the Vice President for Academic and Student Affairs for final decision.
- 4. In cases involving appeals by a student accused of violating the Code of Conduct, review of the sanction by an appellate board may not result in more sanction(s) for the accused student. Instead, following an appeal, the Executive Dean, Student Affairs may upon review of the case, reduce, but not increase, the sanctions imposed by the judicial advisor.
- 5. In cases involving appeals by persons other than the student accused of violating the Code of Conduct, the Executive Dean, Student Affairs may, upon review of the case, reduce or increase the sanctions imposed by the judicial advisor or remand the case to the original judicial body and judicial advisor.

Article V: Interpretation and Revision

A. Code Interpretation

Any question of interpretation regarding the Code of Conduct shall be referred to the Executive Dean, Student Affairs or designee for final determination.

B. Code Revision

The Code of Conduct shall be reviewed every five years under the directions of the Executive Dean, Student Affairs.

Smoking Policy

Effective the beginning of fall term, 2010, the College smoking policy was amended as follows:

Smoking and other tobacco use is prohibited in all core areas of LCC campuses; smoking and tobacco use may be allowed in some designated peripheral areas. Electronic cigarettes also are prohibited.

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 Clery Report is located on the Public Safety web page at lanecc.edu/psd/public-safety-services 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, Downtown Center. The Cottage Grove and Florence campuses and Flight Technology Center are served by their local law enforcement agencies, which report incidents at college sites to the college's Public Safety department. Public Safety provides services at the Downtown Campus including the Titan Court residential facility 24 hours a day, 7 days a week. To contact an officer, call 541.463.4949.

Lane Community College Public Safety Officers are certified under Oregon Department of Public Safety Standards and Training. They 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 Sysem (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, 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.

Lighting and Landscaping College staff work constantly to maintain good lighting and to clear undergrowth to improve visual access on campus.

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 ATF and FBI.

Emergency Assistance

There is always a Public Safety Officer 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.

After Hours From 5 p.m. - 8 a.m. Monday through Friday, on weekends and holidays, the college's emergency after-hours law enforcement agency will answer. Give your name, location and phone number, and the service will contact on-site officers to return your call and respond to your location.

Campus Elevators Call boxes in elevator cars all connect to Public Safety Emergency (5555).

Emergency Car Services Emergency car booster packs are offered 24 hours a day. Call or visit Public Safety. Individuals must pick up the packs at Public Safety, Bldg. 13, Rm. 107. 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 served an order to appear at a Student Conduct Code hearing, taken into custody, or both. Public Safety Officers may facilitate contact between the victim and local law enforcement agencies.

Services

Counseling and the Women's Program Counseling provides limited services to crime victims and/or makes referrals to other resources in the community. The Women's Program provides services and referral to victims of sex and domestic violence offenses.

Other Services Public Safety provides numerous other services including: criminal background checks, access control system maintenance, alarm monitoring and response, safety escorts, copies of accident reports, and personal safety instruction.

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 may be found at the Public Safety web site: lanecc. edu/psd/clery-compliance-information.

For more information about Lane's Public Safety Department, contact 541.463.5558.

Notes

Career Technical Programs

Accounting

Offered by the Business Department, 541.463.5221

Two-Year Associate of Applied Science Degree, Accounting

Career Pathway Certificate of Completion, Payroll Clerk

Purpose To prepare graduates to enter the field of accounting. The program offers two directed elective sequences. The student can choose to prepare for employment in full-cycle bookkeeping or specialize in payroll accounting.

Learning Outcomes The graduate of the Associate of Applied Science program will be able to:

- organize and manage the daily business functions of an organization.
- apply critical thinking and analytical skills in decision-making and problem solving.
- anticipate and actively explore innovative solutions to technological and organizational challenges.
- use software including word processing, spreadsheets, and databases to input, manage, and interpret information to meet organizational needs.
- create and present professional documents, work papers, and presentations for both internal and external users.
- work independently within diverse business environments; apply individual strengths and critical thinking to collaborative efforts.
- 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.
- formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.
- · apply accounting theory to analyze accounting information.
- · Plan, budget and evaluate financial performance.
- Understand and monitor the financial, tax, payroll, legal, and other compliance requirements for a variety of organizational entities.

Job Openings Projected through 2020

Lane County openings - 71 annually Statewide openings - 792 annually

Wages

Lane County average hourly - \$17.07; average annual - \$35,508 Oregon average hourly - \$17.69; average annual - \$36,809

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,277
Books and materials	\$2,730
Laptop computer	\$1,200

Total Estimate \$13,207

Accounting course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Note All Business Department majors must have a computer that meets minimum system requirements. Contact the department or advisor for details.

Cooperative Education (Co-op) Co-op offers students graded college credit for on-the-job work experience related to educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for future job openings. Three credits of Co-op are required for the AAS degree. Additional Co-op credit is strongly recommended as an elective. Contact Jamie Kelsch, Accounting Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschj@lanecc.edu

Course Requirements

- Students must place at least into WR 121 and MTH 065, or take classes to reach these levels before enrolling in program courses. Consult course descriptions for prerequisites on other courses.
- 2. 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 an electronic calculator (or numeric keypad). The Business Department offers free placement tests to assist students in determining their skill levels. Additional testing information and schedule details are available at: lanecc.edu/business/testing/keyboarding-skill-competency-recommendations
- 3. Before enrolling in BA 214 Business Communications students must pass BT 108 Business Proofreading and Editing.
- An approved 3-credit Health class can be substituted for the PE requirements. Please speak with your academic advisor.
- 5. BT 020 must be taken for a letter grade, not P/NP.
- Speech course must be passed with a grade of "Pass" or "C-" or better to satisfy program requirements.
- 7. BT 170, MTH 095, MTH105, and WR 121 must be taken for a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- 8. All other courses (BA, BT, CS and MTH 095) must be taken for a letter grade, not P/NP, and passed with grade of "C" or better to satisfy program requirements.

Accounting

Two-Year Associate of Applied Science Degree

Required Prerequisite

BT 108 Business Proofreading and Editing	4
Total Required Prerequisite Credits	4
First Year BT 112 Team Building Skills	Fall 3 3 5 4
Total Credits BA 101 Introduction to Business BT 123 MS EXCEL for Business BT 165 Introduction to the Accounting Cycle	16 Winter 4 4 4
BA 214 Business Communications	16 Spring
BT 163 QuickBooks	!

BT 206 Co-op Ed: Business Seminar.....

MTH 105 Intro to Contemporary Math.....

Physical Education requirement	1 4
BT 124 MS ACCESS for Business	
Total Credits	16
Second Year	Fall
BA 211 Financial Accounting	4
BT 170 Payroll Records and Accounting	4
BT 272 Tax Concepts and Preparation	4
Directed Elective	3-4
Total Credits	19-20
DA 200 Business Laur	Winter
BT 221 Budgeting for Managers	4
Physical Education requirement	1
Speech course	4
Directed Elective	3
Total Credits	16
	Spring
BA 278 Leadership and Team Dynamics	4
BA 280AC Co-op Ed: Accounting	3 3-4
Directed Elective	4
Total Credits	14-15
Bookkeeping Directed Electives Sequence	Fall
BT 223 MS EXCEL for Business – Expert	4
	Winter
BA 247 Non-Profit and Government Accounting	4
	Spring
BT 276 Automated Accounting Information	4
BT 286 Professional Bookkeeping	4
Total Credits	16
Payroll Directed Electives Sequence	Fall
BT 230 Paperless Office	3
BA 224 Human Resource Management	Winter 3
	Spring
BA 251 Supervisory Management	3
BT 171 Payroll Laws and Regulation	4
Total Credits	13

Payroll Clerk

Career Pathway Certificate of Completion

Purpose This Career Pathway Certificate of Completion is designed for professional office personnel who are interested in career enhancement, or for current Business students with office experience who wish to expand their options to enter the field of accounting as payroll clerks. The program provides the foundation necessary to prepare for the Fundamental Payroll Certification Test (FPC) offered by the American Payroll Association.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Learning Outcomes The graduate of the Payroll Clerk Certificate of Completion will be able to:

- 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.
- 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.
- use software including word processing, spreadsheets, and databases to input, manage, and interpret information to meet organizational needs.
- provide basic training and technical support for users of office equipment and software systems.
- · create professional, accurate documents.
- make effective presentations to internal and external audiences.
- work independently within diverse business environments, apply individual strengths and critical thinking to collaborative efforts.
- engage customers and co-workers in a purposeful manner listening to and accurately interpreting their responses within diverse cultural contexts.
- perform on the job in ways that reflect professional ethics, legal standards, and organizational expectations.

Note All Business Department majors must have a computer that meets minimum system requirements. Contact the department or advisor for details.

Course Requirements

- BT 170 must be taken for a letter grade, not P/NP, and must be passed with a grade of "C-" or better to satisfy program requirements.
- All other courses (BA, BT) must be taken for a grade, not P/ NP, and passed with grade of "C" or better to satisfy program requirements.

BT 123 MS EXCEL for Business	Fall 4 4 4
BA 224 Human Resource ManagementBT 163 QuickBooks	Winter 3 4
BA 226 Business LawBT 171 Payroll Laws and Regulations	Spring 4 4
Total Credits	27

Administrative Office Professional

Offered by the Business Department, 541.463.5221

Two-Year Associate of Applied Science Degree, Administrative Office Professional

Career Pathway Certificate of Completion, Legal Office Skills

Career Pathway Certificate of Completion, Office Software Specialist

Career Pathway Certificate of Completion, Small Business Ownership

Purpose To train administrative office professionals for a wide variety of office support 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, perform general office duties, and use personal computers for internet research, word processing, and financial analysis. They are capable of assuming some executive decision-making responsibilities. This program provides the foundation necessary to prepare for the Certified Professional Secretary examination. Upon successful completion of the first year courses, students will be eligible for the Business Assistant One-Year Certificate of Completion.

Learning Outcomes The graduate of the Associate of Applied Science program will be able to:

- organize and manage the daily business functions of an organization.
- 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.
- · 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.
- 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.
- use communication, teamwork, and interpersonal skills for internal and external customer support.
- perform in office management level positions after additional office experience.
- have enhanced employment opportunities based on selection of directed electives, such as accounting, E-Business, legal, and medical.
- 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.

Job Openings Projected through 2020

Lane County openings - 28 annually Statewide openings - 380 annually

Wages

Lane County average hourly - \$22.13; average annual - \$46,049 Oregon average hourly - \$22.68; average annual - \$47,188

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees \$9,187	-\$9,907
Personal Computer	\$1,500
Books and supplies	\$2,700

Total Estimate \$13,387-14,107

Administrative Office Professional fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Estimate does not include recommended prerequisites.

Cooperative Education (Co-op) Co-op offers students graded college credit for on-the-job work experience related to educational and career goals. Through Co-op, students connect theory and practice, develop skills, expand career knowledge, and make contacts for future employment. Three credits of Co-op are required for the AAS degree. Additional Co-op credit is strongly recommended as an elective. Contact Jamie Kelsch, Administrative Office Professional Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschj@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All Business Department majors must have a computer that meets minimum system requirements. Contact the department or academic advisor for details.
- Foundational Requirements (WR 121, MTH 065, and Health/ Wellness/Fitness courses) must be taken for a letter grade, and must be completed with a grade of "C-" or better to meet program requirements.
- 4. 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.
- Students must place at least into WR 121 and MTH 065, or take classes to reach these levels before enrolling in program core courses.
- 6. 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 an electronic calculator (or numeric keypad). The Business Department offers free placement tests to assist students in determining their skill levels. Additional testing information and schedule details are available at: lanecc.edu/business/testing
- 7. Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing.
- 8. The AOP program has graded keyboarding skill levels built into several courses. For details: lanecc.edu/business /testing/keyboarding-skill-competency-recommendations.

Required Prerequisite

BT 108 Business Proofreading and Editing	4
Total Required Prerequisite Credits	4

Administrative Office Professional

Two-Year Associate of Applied Science Degree

First Year	Fall
BT 112 Team Building Skills	3
BT 120 MS WORD for Business	3
Information Processing	4
Academic Writing	4
Total Credits	14
	Winter
BA 101 Introduction to Business	4
BT 123 MS EXCEL for Business	4
BT 165 Introduction to the Accounting Cycle	4
MTH 065 Elementary Algebra or higher	4

Total Credits

16

	Spring
BA 206 Management Fundamentals	3
BA 214 Business Communications	4
BT 144 Administrative Procedures	4
BT 163 QuickBooksBT 206 Co-op Ed: Business Seminar	4 2
b i 200 Co-op Ed: Business Seminar	
Total Credits	17
Carand Vari	F-11
Second Year	Fall
BA 224 Human Resource ManagementBT 220 MS WORD for Business – Expert	3
Directed Elective	4-8
Speech course	4
Choice of:	3
Physical Education Activity requirement	
Health requirement	
Total Cradita	17-21
Total Credits	17-21
	Winter
BA 226 Business Law	4
BT 228 Integrated Office Applications	4
BT 230 Paperless Office Practices	4
Directed Elective	4-8
Total Credits	16-20
Total Ground	
	Spring
BA 278 Leadership and Team Dynamics	4
BA 280AA Co-op Ed: Administrative Office	3
Directed Elective	4-8
BT 271 Administrative Professional Practicum	4
Total Credits	15-19
Accounting	
BT 170 Payroll Records and Accounting	4
BT 171 Payroll Laws and RegulationsBT 221 Budgeting for Managers	4
BT 223 MS EXCEL for Business – Expert	4
·	
E-Business	_
BT 150 Business Web Pages	3
BT 252 Web Tools: Photoshop and Dreamweaver	4
BT 253 Internet Marketing	4
Legal Office	
BA 211 Financial Accounting	4
LA 100 Legal Procedures	4
LA 101 Introduction to Paralegal Studies	3
LA 102 Legal Terminology	3
LA 105 Civil Litigation	3
LA 123 Ethica for the Logal Professional	4
LA 132 Ethics for the Legal Professional	3
Medical Office Directed Electives	
HIT 196 Medical Transcription 2	3
HO 100 Medical Terminology 1	3
HO 110 Admin Medical Office Assistant	3
HO 112 Medical Insurance Procedures	3
HIT 195 Medical Transcription 1	3
Additional Electives	
BA 223 Marketing	4
BA 250 Small Business Management	4
BA 280AA Co-op Ed: Admin Office	3
BA 281 Personal Finance	4
BT 015 Keyboard Skillbuilding 1	3
BT 016 Keyboard Skillbuilding 2	3
BT 017 Keyboard Skillbuilding 3BT 122 MS POWERPOINT for Business	3
BT 124 MS ACCESS for Business	3

Legal Office Skills

Career Pathway Certificate of Completion

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 UPL.
- 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.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- Students entering this program must have completed MTH 065 Elementary Algebra or higher and WR 121 English Composition. WR 121 and MTH 065 must be taken for a letter grade, and must be completed with a grade of "C-" or better to meet program requirements.
- 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.
- 4. BA 101 and sophomore standing or instructor consent is required to take BA 211.
- 5. 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 requirements should consider completing keyboarding and/or skill building courses to reach the required skill level. Additional testing information and schedule details are available at: lanecc.edu/business/testing/keyboarding-skill-competency-recommendations

	Fall
LA 100 Legal Procedures	4
LA 102 Legal Terminology	3
BT 108 Business Proofreading and Editing	4
Total Credits	11
	Winter
BA 211 Financial Accounting	4
CS 120 Concepts of Computing: Information Processing.	4
LA 101 Introduction to Paralegal Studies	3
LA 128 Legal Procedures 2	4
Total Credits	15
	Spring
BA 214 Business Communications	4
LA 105 Civil Litigation	3
LA 132 Ethics for the Legal Professional	3
Choice of:	4
BT 206 Co-op Ed: Business Seminar	2
Total Credits	16

Office Software Specialist

Career Pathway Certificate of Completion

Purpose This Career Pathway Certificate of Completion is designed for professional office personnel who are interested in career enhancement, or for current Business students with office experience who wish to expand their software proficiency. In today's competitive job market, Office 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:

- · navigate the Windows operating environment.
- · create, format, save, edit, paginate, and print documents.
- create and apply character and paragraph styles, generate and update document indexes, tables of contents, and captions, and demonstrate mastery in working with document sections, templates, and mail merge.
- · 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.
- 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.

Course Requirements

- 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.
- 4. Students must place at least into WR 121 and MTH 065, or take classes to reach these levels before enrolling in program core courses. WR 121 and MTH 065 must be taken for a letter grade, and must be completed with a grade of "C-" or better to meet program requirements.
- 5. 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 an electronic calculator (or numeric keypad). The Business Department offers free placement tests to assist students in determining their skill levels. Additional testing information and schedule details are available at: lanecc.edu/business/testing/keyboarding-skill-competency-recommendations
- 6. The AOP program has graded keyboarding skill levels built into several courses. For details: lanecc.edu/business/testing /keyboarding-skill-competency-recommendations.

Courses	Credits
BT 120 MS WORD for Business	3
BT 122 MS POWERPOINT for Business	3
BT 123 MS EXCEL for Business	4
BT 124 MS ACCESS for Business	3
BT 220 MS WORD for Business - Expert	3
BT 223 MS EXCEL for Business - Expert	4
BT 228 Integrated Office Applications	4
Total Credits	24

Small Business Ownership

Career Pathway Certificate of Completion

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.

BA 101 Introduction to Business	Fall 4 4 4
BA 223 Marketing	Winter 4 4 4
BA 206 Management Fundamentals	Spring 3 4 4
Total Credits	35

Auto Body and Fender Technology

Offered by the Advanced Technology Division 541.463.5380

Two-Year Associate of Applied Science Degree
Auto Collision Option

Auto Paint Option

Two-Year Certificate of Completion

Purpose To train technicians in the latest paint and collision technology, and provide substantial practical experience essential to becoming proficient in this industry, for careers in car dealerships, independent body and paint shops, heavy-duty truck shops, or with jobbers selling paint and collision equipment and materials.

Auto Collision Option prepares students for specialization in the auto collision industry, for careers in auto dealerships,

custom repair shops, independent body shops, motor home manufacturing, employment with collision jobbers, auto collision repair estimators, and auto collision manufacturers.

Auto Paint Option prepares students for specialization in the auto paint industry, for careers in auto dealerships, custom paint shops, independent paint shops, heavy-duty truck shops, the motor home industry, and with paint jobbers and paint equipment manufacturers.

Learning Outcomes The student who successfully completes all Auto Body and Fender AAS program requirements will:

- · adhere to OSHA and industry safety standards.
- effectively use the latest collision repair equipment as well as refinishing procedures.
- · repair and refinish automobile bodies to industry 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.

Job Openings Projected through 2020

Lane County openings - 6 annually Statewide openings - 75 annually

Wages

Lane County average hourly - \$17.91; average annual - \$37,247 Oregon average hourly - \$19.55; average annual - \$40,662

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,777
Differential Fees	\$3,047
Other Course/Program Costs	\$1,734
Tools	\$1,000
Books and supplies	\$600

Total Estimate \$16,158

This is the total of all the differential fees attached to Auto Body and Fender Technology courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Licensing or Other Certification Exams Required Completion of this program may substitute for one year of the two years of work experience required for taking written exams for ASE certification.

Prerequisites Minimum placement score of 68 in Reading, OR completion of RD 080, OR RD 087 AND EL115, OR prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Admission Information See *advtech/AT/admissionAT.htm* or contact the Advanced Technology Division, *AdvTechPrograms@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. Under the supervision of the Auto Body and Fender Co-op Coordinator and with instructor consent, a maximum of 18 Co-op credits in AB 280 may be earned in lieu

of required Auto Body and Fender course credits. Contact Marv Clemons, Auto Body Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Course Requirements

- All AB courses and MTH 060 must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- 2. WR 115W and the PE/Health requirement must be passed with a Pass or "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.
- 4. For choices in Foundational Skills and Discipline Studies, see AAS degree description, page 44.

Auto Collision Option

Two-Year Associate of Applied Science Degree

In addition to the outcomes for Auto Body and Fender, the student who successfully completes all Auto Collision Option program requirements will:

- effectively use state-of-the-art measuring and collision repair equipment.
- demonstrate a thorough knowledge of advances in technology in auto collision.
- enter the workforce with substantial practical experience in collision repair.
- repair and reconstruct automobile bodies to industry standards.

Course Requirements

- All Auto Body Courses and MTH 060 must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- 2. WR 115W and the PE/Health requirement 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, page 44.

First Year	Fall
AB 133 Beginning Auto Collision	6 6
MTH 060 Beginning Algebra	Ü
or higher mathematics	4
Total Credits	16
	Winter
AB 133 Beginning Auto Collision	6
AB 134 Paint and Collision	6
EL 115 Effective Learning	3
Art elective	2
Total Credits	17
	Spring
AB 134 Paint and Collision	6
AB 261 Intermediate Auto Collision	6
CS 120 Concepts of Computing: Information Processing	
or higher computer science	4
Total Credits	16
Second Year	Fall
AB 261 Intermediate Auto Collision	9
AB 263 Advanced Auto Collision	3
or higher mathematics	4
WR 115W Introduction to College Writing: Workplace	
Emphasis or higher writing	3
Total Credits	19

	Winter
AB 263 Advanced Auto Collision	12
PE/Health requirement	3
Arts/Letters requirement	3
Total Credits	18
	Spring
AB 132 Beginning Auto Paint	12
Business elective	3
Human Relations requirement	3
Elective AB 280 Co-op Ed: Auto Body Repair (optional)	(3)
Total Credits	18-21

Auto Paint Option

Two-Year Associate of Applied Science Degree

In addition to the outcomes for Auto Body and Fender, the student who successfully completes all Auto Paint Option program requirements will:

- demonstrate thorough knowledge of advances in technology in auto paint.
- effectively use state-of-the-art equipment and materials as well as refinishing procedures.
- · enter the workforce with substantial practical experience.

Course Requirements

- All AB Courses and MTH 060 must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements.
- 2. WR 115W and the PE/Health requirement 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, page 44.

First Year	Fall
AB 132 Beginning Auto Paint	6
AB 134 Paint and Collision	6
or higher mathematics	4
-	
Total Credits	16
	Winter
AB 132 Beginning Auto Paint	6
AB 134 Paint and Collision	6
EL 115 Effective Learning	3
Art elective	2
Total Credits	17
	Spring
AB 134 Paint and Collision	Spring 6
AB 260 Intermediate Auto Paint	6
CS 120 Concepts of Computing: Information Processing	
or higher computer science	4
Total Credits	16
Second Year	Fall
AB 260 Intermediate Auto Paint	9
AB 262 Advanced Auto Paint	3
MTH 085 Applied Geometry for Technicians	
or higher mathematics	4
WR 115W Introduction to College Writing: Workplace	_
Emphasis or higher writing	3
Total Credits	19
	Winter
AB 262 Advanced Auto Paint	12
PE/Health requirement	3

Arts/Letters requirement	3
Total Credits	18
AB 133 Beginning Auto Collision	Spring 12 3 3
Total Credits	18

Auto Body and Fender Technology

Two-Year Certificate of Completion

Learning Outcomes The student who successfully completes all Auto Body and Fender 2-year certificate program requirements will:

- · adhere to OSHA and industry safety standards.
- effectively use the latest collision repair equipment as well as refinishing procedures.
- repair and refinish automobile bodies to industry 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.

Gainful Employment Disclosure

Standard Occupational Classification: 49-3021.00

Go to the Department of Labor's O*Net website for a profile of this occupation:

Automotive Body and Related Repairers onetonline.org/link/summary/49-3021.00

Or check on these O*Net Related Occupations:

Automotive Glass Installers and Repairers onetonline.org/link/summary/49-3022.00

How many students complete the Auto Body and Fender Technology 2-year Certificate?

Two students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 6 positions

Statewide: 75 positions

What wages are forecast for this occupation?

Lane County average hourly - \$17.91; average annual - \$37,247 Oregon average hourly - \$19.55; average annual - \$40,662

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$13,374
Books, supplies, program costs	\$2,426
On-Campus room and board N	ot offered

Total Estimate \$15,800

What's included?

Program Costs: lanecc.edu/advtech/program-costs

What is the median loan debt incurred by students who completed the program in 2012?

Course Requirements

1. All Auto Body 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.

- 2. WR 115W and the PE/Health requirement 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, page 44.

Two-Year Certificate of Completion

First Year AB 132 Beginning Auto Paint AB 134 Paint and Collision EL 115 Effective Learning	Fall 6 6 3
Total Credits	15
AB 132 Beginning Auto PaintAB 134 Paint and Collision	Winter 6 6 2
Total Credits	14
AB 133 Beginning Auto Collision	Spring 6 6 7 3 15 Fall 6 6 6
Choice of:	4
Total Credits	16
AB 260 Intermediate Auto Paint	Winter 3 9 3
Total Credits	15
AB 260 Intermediate Auto Paint Human Relations requirement	Spring 12 3
Total Credits	15

Automotive Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree Two-Year Certificate of Completion

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.

Job Openings Projected through 2020

Lane County openings - 22 annually Statewide openings - 200 annually

Wages

Lane County average hourly - \$19.76; average annual - \$41,101 Oregon average hourly - \$20.25; average annual - \$42,123

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,893
Differential Fees*	\$2,393
Other Course/Program Costs	\$576
Tools	\$1,500
Books and supplies	\$1,100

Total Estimate \$15,462

Program Certification National Automotive Technicians Education Foundation, a nonprofit foundation within the National Institute for Automotive Service Excellence.

Prerequisites Minimum placement score of 68 in Reading, OR completion of RD 080, OR RD 087 AND EL115, OR prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Admission Information See lanecc.edu/advtech/at/admission-infor mation or contact the Advanced Technology Division, *AdvTech Programs@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. 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 Marv Clemons, Automotive Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

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 to fulfill program requirements.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

- 2. WR 115W and the PE/Health requirement must be passed with a "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description, page 44.

Two-Year Associate of Applied Science Degree

Two-Year Associate of Applied Science Degree	
First Year	Fall
AM 145 Engine Repair	12
MTH 085 Applied Geometry for Technicians or higher mathematics	4
-	
Total Credits	16
	Winter
AM 149 Manual Drive Trains and AxlesAM 147 Suspension and Steering	6 6
WLD 121 Shielded Metal Arc Welding 1	4
PE/Health requirement	3
Total Credits	19
	Spring
AM 242 Automatic Transmissions/Transaxles	12
WR 115W Introduction to College Writing: Workplace Emphasis or higher writing	3
Total Credits	15
Total Credits	15
Second Year	Fall
AM 243 Electrical and Electronic Systems	12
or higher computer science	4
Choice of:	4
Science or Computer Science course ET 129 Electrical Theory 1	
ET129M Electrical Theory 1: Non ET Majors	
Total Credits	20
	Winter
AM 244 Engine Performance	12
CG 203 Human Relations at Work	3
Choice of:	4
SP 100 Basic Communications SP 105 Listening and Critical Thinking	
SP 218 Interpersonal Communications	
Total Credits	19
	Spring
AM 143 Brakes	8
AM 245 Introduction to Hybrid Electric Vehicles (optional elective)	4
AM 246 Heating and Air Conditioning	4
AM 280 Co-op Ed: Automotive	3
Total Credits	19

Automotive Technology

Two-Year Certificate of Completion

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.

^{*} This is the total of all the differential fees attached to Automotive Technology courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

- · 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.

Gainful Employment Disclosure

Standard Occupational Classification: 49-3023.01

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

How many students complete the Automotive Technology 2-year Certificate?

Ten students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 22 positions

Statewide: 200 positions

What wages are forecast for this occupation?

Lane County average hourly - \$19.76; average annual - \$41,101 Oregon average hourly - \$20.25; average annual - \$42,123

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$13,101
Books, supplies, program costs	\$3,125
On-Campus room and board No	t offered

Total Estimate \$16,226

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$7,042
Institutional financing	\$621

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 Marv Clemons, Automotive Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

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.
- 2. WR 115W and the PE/Health courses must be completed with a Pass or "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.

Two-Year Certificate of Completion

First Year AM 145 Engine Repair	Fall 12
MTH 085 Applied Geometry for Technicians or higher mathematics	4
Total Credits	16
AM 149 Manual Drive Trains and Axles AM 147 Suspension and Steering	Winter 6 6 4
Total Credits	16
AM 242 Automatic Transmissions/Transaxles PE/Health elective	Spring 12 3
Total Credits	15
Second Year AM 243 Electrical and Electronic Systems	Fall 12
Total Credits	15
AM 244 Engine Performance CG 203 Human Relations at Work	Winter 12 3
Total Credits	15
AM 143 BrakesAM 245 Introduction to Hybrid Electric Vehicles	Spring 8
(optional elective)	4 4 3
Total Credits	19

Aviation Maintenance Technician

Offered by the Lane Aviation Academy, 541.463.4195

Two-Year Associate of Applied Science Degree Two-Year Certificate of Completion

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's certificate.

Learning Outcomes The graduate 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.

Job Openings Projected through 2020

Lane County openings - 1 annually Statewide openings - 56 annually

Wages

Lane County average hourly - \$25.73; average annual - \$53,512 Oregon average hourly - \$26.60; average annual - \$55,316

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,130
Other Course/Program Costs	\$1,380
Tools	\$1,000
Books and supplies	\$500

Total Estimate \$13,010

Aviation Maintenance Technician course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Admission Information Contact Advanced Technology Division, AdvTechPrograms@Lanecc.edu

Prerequisites 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.

Program Endorsement The program is approved under Part 147 of the Federal Aviation Regulations of the Federal Aviation Administration.

Licensing Part 147 FAA oral, practical, and written certification exams are required.

Cooperative Education 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 Marv Clemons, Aviation Maintenance Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Course Requirements

- 1. 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.
- 3. WR and PE/Health requirement must be passed with a Pass or "C-" or better to fulfill program requirements.
- 4. MTH 065 or MTH 070 or higher mathematics may substitute for MTH 075
- Foundational Skills (except MTH) and Discipline Studies are not required for two-year FAA Airframe and Powerplant airman's certificate exams.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description, page 44.

Two-Year Associate of Applied Science Degree

Required Prior to Beginning of First Year	
MTH 075 Applied Algebra for Technicians	
or equivalent	4
WR 115W Introduction to College Writing: Workplace	
Emphasis or higher writing	3
First Year	Fall
First Year AV 192 General 101	Fall 6
AV 192 General 101	

AV 196 General 105AV 194 General 103MTH 085 Applied Geometry for Technicians	Winter 6 6
or higher mathematicsPE/Health requirement	4 3
Total Credits	19
AV 279 Airframe (Section 3,and 4)	Spring 12 6
Total Credits	18
Second Year AV 281 Powerplant (Section 1 and 2)	Fall 12 6
Total Credits	18
AV 281 Powerplant (Section 3 and 4)	12 3 3
Total Credits	18
AV 283 Powerplant Return to Service	Spring 6 6 6
Elective AV 280 Co-op Ed: Aviation Maintenance (optional)	-
Total Credits	18-21

Aviation Maintenance Technician

Two-Year Certificate of Completion

Gainful Employment Disclosure

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

How many students complete the Aviation Maintenance Technician 2-year Certificate?

Six students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students? Lane Community College is committed to protecting student pri-

vacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 1 positions Statewide: 56 positions

What wages are forecast for this occupation?

Lane County average hourly - \$25.73; average annual - \$53,512 Oregon average hourly - \$26.60; average annual - \$55,316

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

website for updated tuition and fees.)	
Resident tuition and fees	\$10,947
Books, supplies, program costs	
On-Campus room and board Not	offered

Total Estimate \$13,590

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

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.
- 3. WR requirement must be passed with a Pass or "C-" or better to fulfill program requirements.
- MTH 065 or MTH 070 or higher mathematics may substitute for MTH 075.

Required Prior to Beginning of First Year

MTH 075 Applied Algebra for Technicians	
or equivalent	4
First Year	Fall
AV 192 General 101	6 6
WR 115W Introduction to College Writing:	Ü
Workplace Emphasis or higher writing	3
PE/Health elective	3
Total Credits	18
	Winter
AV 196 General 105	6
AV 194 General 103	6
MTH 085 Applied Geometry for Technicians or higher mathematics	4
-	<u> </u>
Total Credits	16
	Spring
AV 279Airframe (Section 3, and 4)	12
AV 195 General 104	6
Total Credits	18
Second Year	Fall
AV 281 Powerplant (Section 1 and 2)	12
AV 279 Airframe (Section 1)	6
Total Credits	18
	Winter
AV 281 Powerplant (Section 3 and 4)	12
Human Relations requirement	3
Total Credits	15
	Spring
AV 283 Powerplant Return to Service	6
AV 282 Airframe Return to Service	6 6
· -	
Total Credits	18

Students interested in completing the FAA Airway Science requirements for two-year institutions should:

Substitute:

WR 121 Introduction to Academic Writing for

WR 115W Introduction to College Writing: Workplace Emphasis.

SP 111 Fundamentals of Public Speaking for Arts/Letters requirement.

MTH 111 College Algebra for Science/Computer Science requirement.

and Add:

WR 227 Technical Writing

SP 130 Business and Professional Speech J 205 Public Relations Arts/Letters Elective (3 credits) Any 200 level Psychology course (3 credits) PH 101 or PH 102 Fundamentals of Physics

Business Assistant

AV 179 General Aviation

Offered by the Business Department, 541.463.5221

One-Year Certificate of Completion

Purpose To train business and office 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 Office Professional Two-Year Associate of Applied Science degrees.

Learning Outcomes The graduate will be able to:

- organize and manage the daily business functions of an organization.
- 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.
- · 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.
- 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.
- 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.
- use good keyboarding skills to prepare documents quickly and accurately according to employer standards.

Gainful Employment Disclosure

Standard Occupational Classification: 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

How many students complete the Business Assistant 1-year Certificate?

Eighteen students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

None completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 104 positions Statewide: 1,248 positions

What wages are forecast for this occupation?

Lane County average hourly - \$14.77; average annual - \$30,736 Oregon average hourly - \$1,494.00; average annual - \$31,064

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$4,867
Books, supplies, program costs	\$1,560
Personal Computer	\$1,500

Total Estimate \$7,927

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$3,423
Institutional financing	\$59

Course Requirements

- 1. See course descriptions for prerequisite requirements.
- 2. Students must place at least into WR 121 and MTH 065, or take classes to reach these levels before enrolling in program courses.
- 3. WR and MTH courses must be taken for a letter grade, not P/NP, passed with a "C-" or better to meet program requirements. 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 to satisfy program requirements.
- 4. 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 an electronic calculator (or numeric keypad). The Business Department offers free placement tests to assist students in determining their skill levels. Additional testing information and schedule details are available at: lanecc.edu/business/testing/keyboarding-skill-competency-recommendations
- Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing.

Required Prerequisite

BT 108 Business Proofreading and Editing	4
Total Recommended Prerequisite Credits	4

Note All Business Department majors must have a computer that meets minimum system requirements; contact the department or Academic Advisor for details.

	raii
BT 112 Team Building Skills	3
BT 120 MS WORD for Business	3
CS 120 Concepts of Computing: Information	
Processing	4
WR 121 Composition: Introduction to	
Academic Writing	4
Total Credits	14

BA 101 Introduction to Business	Winter 4 4 4 4
Total Credits	16
BA 206 Management Fundamentals	Spring 3 4 4 2 4
Total Credits	17

Computer Information Systems

Offered by the Computer Information Technology Department, 541.463.5221

Two-Year Associate of Applied Science Degree

(Also see the following Career Pathway Certificates of Completion: Database Specialist on page 82, Geographic Information Systems on page 120, Health Information Technology Specialist on page 82, Network Security on page 84, and Web Programming on page 86.)

Purpose Systems support workers provide technical assistance and support services to computer system users. They answer questions and resolve technology problems for work colleagues or clients in face-to-face contacts, via telephone or remote contacts, via e-mail or on support Web sites. They assist users with computer hardware, software, network connections, and operating procedures. Some systems support workers evaluate computer products, perform user needs assessments, install systems, prepare documentation, and provide training for users.

Learning Outcomes Graduates will be able to:

- use primary features of computer hardware and operating systems.
- make productive use of application and operating system software.
- · read and understand operating manuals.
- assist co-workers or clients with hardware and peripheral problems.
- · assist co-workers or clients with software problems.
- · perform common network administrative tasks.
- monitor and troubleshoot network operation.
- · monitor computer and peripheral device operation.
- test and troubleshoot computer applications and systems.
- follow computer diagnostic procedures.
- evaluate and recommend computer equipment and software.
- perform hardware installation, maintenance and common repair tasks.
- · update and upgrade computer systems.
- · apply standard project management techniques.
- · work as a member of a team.
- use information resources for problem solving and troubleshooting.
- support computer users by troubleshooting workstation problems, assisting with needs assessment, providing end-user training and documentation, through use of help desk incident tracking software.

maintain knowledge, skills and abilities through professional development.

Job Openings Projected through 2020

Lane County openings - 47 annually Statewide openings - 376 annually

Wages

Lane County average hourly - \$21.85; average annual - \$45,443 Oregon average hourly - \$25.44; average annual - \$52,906

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,104
Books and Materials	\$2,447
Laptop Computer	\$500
CIT Lab Fees	\$168

Total Estimate \$12,219

Computer Systems Support course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to

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 CIT Department for options and system requirements.

Program lead Contact the Business and Computer Information Technology Division (BCIT), Bldg. 19, Rm. 137, 541.463.5221, BCITAdmin@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. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

Note Students who need to take additional coursework to meet the entry prerequisites for the program should expect to spend additional terms beyond the six terms described below.

Elective Clusters Elective clusters are intended to provide an opportunity for Systems Support majors to take additional coursework in their areas of special interest. Systems Support majors take a minimum of two elective clusters of at least three courses from among these choices. Note that some elective courses may require additional prerequisites: consult the course catalog for prerequisites. Pathways certificates are available in some elective clusters.

Recommended Program Prerequisites

- · Take foundational writing courses to be prepared for WR 121 Academic Writing
- Take mathematics courses to be prepared for MTH 095 Intermediate Algebra
- Take study skills courses such as EL 115 Effective Learning to prepare for college-level coursework
- Take computer classes or self-study equivalent to CIS 101 Computer Fundamentals

Course Requirements

1. All required courses must be completed for a letter grade of "C-" or better, except MTH 095, CG 203, WR 227, AND PE/Health requirement.

- 2. Prerequisites are required for some courses. See course descriptions.
- 3. Programming sequences may not be offered Winter/Spring term. Speak to an Academic Advisor if you are interested in a specific sequence.
- 4. Choice of recommended speech courses:

SP 111 Fundamentals of Public Speaking	4
SP 130 Business and Professional Speech	4
SP 218 Interpersonal Communication	4
SP 219 Small Group Discussion	4
SP 220 Communications, Gender, and Culture	4

First Year	Fall
CIS 100 Computing Careers Exploration	2
CIS 102 Problem Solving with Computers	4
CIS 140W Intro to Operating Systems: Windows Clients	4
MTH 095 Intermediate Algebra or higher	5

Total Credits 15

	Winter
CS 179 Introduction to Computer Networks	4
ET 287 Microcomputer Hardware	4
WR 121 Composition: Intro to Academic Writing	4
Choice of	3-4
CIS 195 Web Authoring 1	

CIS 195 Web Authoring 1

CS 133N Beginning Programming: C#

CS 133P Beginning Programming: Python

CS 161C+ Computer Science 1	
CS 161J Computer Science 1	
Total Credits	15-16
	Spring
CG 203 Human Relations at Work	3
CIS 125D Software Tools 1: Databases	4
Speech Requirement (see list above)	4
Choice of	4
CIS 195 Web Authoring 1	
CS 133JS Beginning Programming: Javascript	
CS 133N Beginning Programming: C#	
CS 133P Beginning Programming: Python	
CS 161C+ Computer Science 1	
CS 161J Computer Science 1	

CS 162C+ Computer Science 2

CS 162J Computer Science 2

CS 233N Intermediate Programming: C#

CS 233P Intermediate Programming: Python

Total Credits	15
Second Year CIS 244 Systems Analysis WR 227 Technical Writing Choice of one course from Elective Cluster 1 Choice of one course from Elective Cluster 2	Fall 4 4 3-4 4
Total Credits	15-16
CIS 225 Computer End-User Support	Winter 4 4 4 3
Total Credits	15
CIS 245 Project Management	Spring 4 3 4 4
Total Credits	15

Elective Clusters

Network: Windows Cluster

CS 240W Advanced Windows: Server Management

CS 284 Network Security Fundamentals	4 4
Network: Unix/Linux cluster CIS 140U Introduction to Unix/Linux CS 240U Advanced Unix/Linux:	4
Server Management	4
Health Informatics cluster HI 101 Intro of Health Care and Public Health in the U.S HI 107 Working with Health IT Systems	3 4 4
Geographic Information Systems cluster GIS 245 Maps and Spatial Information GIS 246 Introduction to GIS CIS 247 Information Analysis and Visualization	4 4 4
Database cluster CS 275 Database Program Development CS 276 Advanced SQL Choice of CIS 247 Information Analysis and Visualization BT 123 MS EXCEL for Business BT 223 MS EXCEL for Business-Expert	4 4 4
Web Programming: PHP cluster ART 288 Introduction to Web Design CS 295P Web Development 1: PHP CS 296P Web Development 2: PHP	3 4 4
Web Programming: C#/.NET cluster CS 295N Web Development 1: ASP.NET	4 4 4
Programming cluster Choice of	4
Choice of	4
Mobile Application cluster CIS 125M Mobile Development 1 CS 235M Intermediate Mobile Application Development CS 246 System Design	4 4 4
Accounting cluster BT 165 Intro to Accounting Principles BT 163 QuickBooks BT 276 Automated Accounting Information	4 4 4
Application skills cluster BT 120 MS Word for Business BT 123 MS EXCEL for Business Choice of BT 220 MS WORD for Business-Expert	3 4 3-4
BT 223 MS EXCEL for Business-Expert	

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Computer Information Systems - Health Informatics

Offered by the Computer Information Technology Department, 541.463.5221

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion, Database Specialist

Career Pathway Certificate of Completion, Health Information Technology Specialist

Purpose To educate individuals to be effective developers, users and managers of health information resources. Health Informatics is the study of how health data are collected, stored and communicated; how those data are processed into health information suitable for administrative and clinical decision making; and how computer technology, communications technology, and other information management skills can be applied to support these processes. Graduates may be employed as health information professionals by clinics and offices of health care providers, hospitals, health maintenance organizations, insurance companies, government agencies, law firms, mental health programs, community health programs, researchers, consulting firms, and information systems vendors.

Learning Outcomes The graduate will:

- demonstrate an understanding of, and the ability to work with, a health care information system at all stages of the information system life cycle.
- demonstrate a working knowledge of medical terminology and the health care delivery system.
- create, manage and query database systems and/or reporting systems.
- demonstrate an understanding of networking concepts with specific knowledge of issues and standards relevant to the health care industry.
- have the ability to work effectively as a member of a team in a health care setting.
- use project management tools and techniques to effectively manage work projects.
- effectively research and analyze health informatics topics and issues and produce useful information.
- connect to professional organizations and engage in experiential learning in order to enhance and build skills and knowledge important for career development.
- demonstrate an understanding of systems analysis and programming concepts and how they are used to solve problems
- use library resources for research and written tasks.
- perform advanced mathematical functions as necessary to prepare health data reports.

OLMIS Job Openings Projected through 2020 for "Computer Specialists, all other"

Lane County openings - 14 annually Statewide openings - 159 annually

Wages

Lane County average hourly - \$21.85; average annual - \$52,843 Oregon average hourly - \$34.97; average annual - \$72,735

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,464
Books and Materials	\$3,250
Laptop Computer	\$1,500

Computer Information Systems - Health Informatics course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Second Year Requirements A personal computer 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 CIT Department for options and system requirements.

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. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

Program Lead Ron Little, Bldg. 19, Rm. 156, 541.463.5464, littler@lanecc.edu

Course Requirements

- All courses must be completed with a letter grade of "C-" or better, except BA 205, CS 179, and the Human Relations requirement, which must be completed with a "C-" or Pass grade.
- 2. Prerequisites are required for some courses. See course descriptions.
- 3. Students completing the Health Information Technology Database Specialist Career Pathway Certificate of Completion should take HI 214 Comparative Electronic Health Record Systems as their 2nd year Spring term directed elective.
- Programming sequences (Python, C#, Javascript, etc.) may not be offered Winter/Spring term. Speak to an Academic Advisor if you are interested in a specific sequence.

Two-Year Associate of Applied Science Degree

Two-Year Associate of Applied Science Degree	
First Year MTH 095 Intermediate Algebra WR 121 Introduction to Academic Writing Choice of:	Fall 5 4 4
Directed Elective	3-5
Total Credits	16-18
HO 100 Medical Terminology	4
Total Credits	15
CIS 125D Software Tools 1: Databases	Spring 4 4

CS 162C+ Computer Science 2

	Directed Elective	3-5 4
	Total Credits	15-17
	Second Year	Fall
	CIS 244 Systems Analysis	4
	Choice of: HI 107 Working with Health IT Systems HIM 110 Health Information Technology	4
	Choice of:HIM 182 Health Care Delivery Systems	3-4
	HI 101 Introduction to Health Care and Public Health in th Choice of recommended Speech classes:	e U.S.
	SP 111 Fundamentals of Public Speaking SP 219 Small Group Discussion SP 220 Communication, Gender, and Culture	4
	or other Arts and Letters requirement	
	Total Credits	
	CS 275 Database Systems and Modeling	Winter 4
	Choice of:	3-4
	HIM 285 Healthcare Financing and Compliance HI 208 Installation and Maintenance of Health IT Systems Choice of:	4
	HI 111 Selecting, Implementing, and Customizing Electro Health Record System	-
	HIM 283 Health Information Systems Choice of:	4
	BA 211 Financial Accounting	4
	BA 205 Solving Communication Problems with Technology	
	Total Credits	15-16
		Spring
	CS 276 Database SQL Programming	4 3-4
	CS 280H Coop Ed: Health Informatics CIS 277H Introduction to Health Informatics	
1		
	HI 209 Networking and Health Information Exchange CIS 245 Project Management	4
	HI 209 Networking and Health Information Exchange CIS 245 Project Management Directed Elective	3-5
	HI 209 Networking and Health Information Exchange CIS 245 Project Management Directed Elective Total Credits	3-5 14-17
	HI 209 Networking and Health Information Exchange CIS 245 Project Management Directed Elective Total Credits Directed Electives - consider prerequisites when choosing	3-5 14-17 I:
	HI 209 Networking and Health Information Exchange CIS 245 Project Management Directed Elective Total Credits Directed Electives - consider prerequisites when choosing BA 224 Human Resource Management	3-5 14-17
	HI 209 Networking and Health Information Exchange CIS 245 Project Management Directed Elective Total Credits Directed Electives - consider prerequisites when choosing BA 224 Human Resource Management BI 112 Cell Biology for Health Occupations BI 121 Intro to Human Anatomy and Physiology 1	3-5 14-17 I:
	HI 209 Networking and Health Information Exchange CIS 245 Project Management	3-5 14-17 3 4 4 4
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	HI 209 Networking and Health Information Exchange CIS 245 Project Management	3-5 14-17 I: 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

HI 214 Comparative Electronic Health Record Systems	3
HIM 271 Quality Improvement in Healthcare	
(Co-requisite with HIM 274)	3
HIM 274 Quality Improvement in Healthcare – lab	1
HIM 281 Data Management and Analysis 1	
(Co-requisite with HIM 286)	3
HIM 286 Data Management and Analysis 1 – Lab	2
MP 110 Medical Terminology	2
MP 111 Medical Terminology	4
OS 220 Business Editing Skills	4
WR 122 Composition:	
Argument, Style and Research	4
WR 227 Technical Writing	4
•	

Courses available online through other Health Informatics Education Consortium institutions:

BA 205 Solving Communication Problems with Technology

BI 121 Intro to Human Anatomy and Physiology 1

BI 122 Intro to Human Anatomy and Physiology 2

CIS 189 Wireless Security CIS 277D DB Security

CIS 277H Introduction to Health Informatics

CIS 2770 Advanced Database Concepts in Oracle

CIS 277T Web Business Intelligence

CIS 278 Data Communications Concepts 2

CIS 279L Linux Network Administration

CIS 284 Network Security

CIS 288M Microsoft Network Administration

CIS 289M Microsoft Active Directory Administration

CS 133N Beginning Programming: C#

CS 133P Beginning Programming: Python

CS 233N Intermediate Programming: C#

CS 233P Intermediate Programming: Python

CS 276 Database SQL Programming

HIM 110 Health Information Technology

HIM 271 Quality Improvement in Healthcare (Co-requisite HIM 274)

HIM 274 Quality Improvement in Healthcare - lab

HIM 281 Data Management and Analysis 1 (Co-requisite HIM 286)

HIM 283 Health Information Systems

HIM 285 Healthcare Financing and Compliance

HIM 286 Data Management and Analysis 1 - Lab

MP 110 Medical Terminology

MP 111 Medical Terminology

OS 220 Business Editing Skills

Database Specialist

Career Pathway Certificate of Completion

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.
- interpret the mathematical concepts of relational algebra and translate a database related problem into SQL logic and expressions.
- use appropriate library and information resources to research database technologies and support lifelong technical learning.

Prerequisites Students are expected to be comfortable working on a computer, including the ability to create files with a text editor and manage file folders. The courses in this Certificate of Completion are designed to be taken along with the Computer Programming, the Health Informatics, or the Computer Network Operations Associates of Applied Science degree programs offered by the CIT department. For details see the course description of

each of the four required courses. Prerequisites can be waived for current IT technicians with the appropriate background.

All courses must be completed with a letter grade of "C-" or better, except BA 205, CS 179, and the Human Relations requirement, which must be completed with a "C-" or Pass grade.

Prerequisites are required for some courses. See course descriptions.

Certificate Lead Ron Little, Bldg. 19, Room 156, 541.463.5464, littler@lanecc.edu

Courses Required	Credits
CIS 125D Software Tools 1: Databases	4
CIS 244 Systems Analysis	4
CS 275 Database Systems and Modeling	4
CS 276 Database SQL Programming	4
Total Credits	16

Health Information Technology Specialist

Career Pathway Certificate of Completion

Purpose Designed for, but not limited to, workers who are currently employed in healthcare or information technology and hold a college degree or have equivalent experience, this program trains graduates qualified to implement and support Electronic Health Records (EHRs), information exchange across health care providers and public health authorities, and to redesign workflows within the health care settings to gain the quality and efficiency benefits of EHRs. The classes provide a basic knowledge of the skills required to implement and support EHRs in the healthcare environment.

Learning Outcomes The certificate recipient will:

- design electronic health records workflows within health care settings.
- · implement and support electronic health records.
- implement and support information exchange across health care providers and public health authorities.
- use appropriate library and information resources to research database technologies and support lifelong technical learning.

Prerequisites Students are expected to be comfortable working on a computer, including the ability to create files with a text editor and manage file folders. The courses in this Certificate of Completion are designed to be taken along with the Health Informatics Associates of Applied Science degree offered by the CIT department. For details see the course description of each of the required courses. Prerequisites can be waived for current IT technicians with the appropriate background.

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C-" or better, except BA 205, CS 179, and the Human Relations requirement, which must be completed with a "C-" or Pass grade.

Certificate Lead Larry Scott, Bldg. 19, Rm. 140, 541.463.5458, scottl@lanecc.edu

Courses Required

HI 101 Intro to Health Care and Public Health in the U.S	4
HI 107 Working with Health IT Systems	4
HI 111 Selecting, Implementing, and Customizing	
Electronic Health Records Systems	4
HI 214 Comparative Electronic Health Records	3
HI 208 Installation and Maintenance	
of Health IT Systems	4
HI 209 Networking and Health Information Exchange	3
Total Credits	22

Computer Network Operations

Offered by the Computer Information Technology Department, 541.463.5221

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion,
Computer Network Monitoring and Management

Career Pathway Certificate of Completion, Computer Network Security

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 graduate will:

- install and configure workstations, servers and networked printers.
- 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.
- understand network security issues and use appropriate tools to insure network integrity.
- · understand the critical features of wireless networking.
- understand fundamental networking theory, terminology, and industry recognized standards.
- 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.

Job Openings Projected through 2020

Lane County openings - 12 annually Statewide openings - 127 annually

Wages

Lane County average hourly - \$31.59; average annual - \$65,696 Oregon average hourly - \$33.00; average annual - \$68,645

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,374
Books and Materials	\$2,447
Laptop Computer	\$1,500
CIT Lab Fees	\$168

Total Estimate \$13,489

Computer Network Operations course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

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 CIT Department for options and system requirements.

Prerequisites Students must qualify for WR 121, either by placement testing or completing prerequisite courses and MTH 095. Each student should consult with a counselor or advisor to plan a program of study.

Computer Network Security The curriculum for the Computer Network Operations degree and the Computer Network Security Certificate may be taken during the same two-year period to qualify for both completion documents. This is accomplished by taking the certificate's security courses as the degree's second-year electives. See the following Computer Network Security Certificate of Completion description or contact the certificate coordinator Joseph Colton, 541.463.5734, coltonj@lanecc.edu

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. 231A, 541.463.5883.

Program Lead Gary Bricher, Bldg. 19, Room 148, 541.463.5294, bricherg@lanecc.edu

Note Students completing the curriculum for the Computer Network Operations degree also qualify for the Computer Network Monitoring and Management certificate. In addition, students taking CS 188 Wireless Networking, CS 285 Operating System Hardening, and CS 286 Firewalls and VPNs as their second-year electives would qualify for the Computer Network Security certificate. Also, students interested in the Web Programming certificate can take CS 295P and CS 296P instead of CS 133P and CS 233P to qualify for the certificate.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C-" or better, except MTH 095, CS 206A, CS 206B, WR 227, the PE/ Health requirement, and the Speech elective, which must be completed with a "C-" or better or Pass grade.
- 3. CS/CIS/GIS Electives must be completed with a letter grade.
- 4. The Computer Network Operations degree contains three second-year CS/CIS/GIS electives. Students may want to consider using CS/CIS/GIS electives to take a sequence of courses from the Network Security certificate curriculum, or from one of the other degree or certificate programs, such as, Computer Programming, Computer Simulation and Game Development, Geographic Information Systems, Computer Information Systems Health Informatics or Computer Science transfer. For more specific information about electives, students should contact the program academic advisor or program counselor to help determine what elective courses best fit their goals.
- 5. List of approved speech electives:

SP 100 Basic Communication

SP 111 Fundamentals of Public Speaking

SP 112 Persuasive Speech

SP 130 Business and Professional Speech

SP 219 Small Group Discussion

- 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, 233 Discrete Mathematics 1, 2, 3.
- 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.

Two-Year Associate of Applied Science Degree

First Year	Fall
CIS 100 Computing Careers Exploration	2
CS 179 Introduction to Computer Networks	4
CIS 140W Intro to Operating Systems: Windows Clients	4
MTH 095 Intermediate Algebra or higher	5
Total Credits	15
	Winter
CS 206A Coop Ed: Computer Networks Seminar 1	1
CIS 102 Problem Solving with Computers	4
CIS 125D Software Tools 1: Databases	4
CS 279 Essentials of Network Administration	4
ET 287 Microcomputer Hardware	4
Total Credits	17
	Spring
CS133P Beginning Programming: Python	4
CS 240W Advanced Windows: Server Management	4
CG 203 Human Relations at Work	3
WR 121 Introduction to Academic Writing	4
Total Credits	15
Second Year	Fall
	raii
CS233P Intermediate Programming: Python	Fall 4
CS233P Intermediate Programming: PythonCIS 140U Introduction to Unix/Linux	
	4
CIS 140U Introduction to Unix/Linux	4
CIS 140U Introduction to Unix/Linux	4 4 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16
CIS 140U Introduction to Unix/Linux	4 4 4 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter
CIS 140U Introduction to Unix/Linux	16 Winter 1 4
CIS 140U Introduction to Unix/Linux	16 Winter 1 4 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4 4 17
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4 4 7 7 Spring
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4 4 7 Spring 3
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4 4 7 Spring 3 4
CIS 140U Introduction to Unix/Linux	4 4 4 4 16 Winter 1 4 4 4 7 Spring 3 4 3

Computer Network Monitoring and Management

Career Pathway Certificate of Completion

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 certificate recipient 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

Prerequisites The courses in this Certificate of Completion are designed to be taken with the Computer Network Operations Associate of Applied Science degree program offered by the CIT department. There are specific prerequisites for each of the four courses required for this certificate. Each of the prerequisites is a requirement in the Network Operations degree. For details see the course description of each of the four required courses. Prerequisites can be waived for current IT network technicians with the appropriate background.

Certificate Lead Gary Bricher, Bldg. 19, Room 148, 541.463.5294, bricherg@lanecc.edu

Course Requirements All courses must be completed with a letter grade of "C-" or better.

Courses required	Credits
CS 240U Advanced Unix/Linux Server Management	4
CS 289 Cisco Router and Switch Administration	4
CS 240W Advanced Windows: Server Management	4
CS 288 Network Monitoring and Management	4
Total Credits	16

Computer Network Security

Career Pathway Certificate of Completion

Purpose To train those who already have networking skills to secure workstations, servers, and other networking devices.

Learning Outcomes The certificate recipient 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.

Prerequisites The courses in this Certificate of Completion are designed to be taken with the Computer Network Operations Associate of Applied Science degree program offered by the CIT department. There are specific prerequisites for each of the four courses required for this certificate. Each of the prerequisites is a requirement in the Network Operations degree. For details see the course description of each of the four required courses. Prerequisites can be waived for current IT network technicians with the appropriate background.

Certificate Lead Joseph Colton, Bldg. 19, Room 147, 541.463.5734, coltonj@lanecc.edu

Course Requirements

All courses must be completed with a letter grade of "C-" or better.

Courses required	Credits
CS 188 Wireless Networking	4
CS 284 Network Security Fundamentals	4
CS 285 Operating System Hardening	4
CS 286 Firewalls and VPNs	4
Total Credits	16

Computer Programming

Offered by the Computer Information Technology Department, 541,463,5221

Two-Year Associate of Applied Science Degree, Computer Programming

Career Pathway Certificate of Completion, Web Programming

(See also Career Pathway Certificate of Completion, Database Specialist on page 82 and Geographic Information Systems on page 120 and One-year Certificate, Web Design on page 142)

Purpose To prepare technicians for entry-level positions as software developers.

Learning Outcomes The graduate 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.

Job Openings Projected through 2020

Lane County openings - 11 annually Statewide openings - 158 annually

Wages

Lane County average hourly - \$32.40; average annual - \$67,389 Oregon average hourly - \$35.15; average annual - \$73,109

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,374
Books and Materials	\$3,118
Laptop computer	\$1,500
CIT Lab Fees	\$168

Total Estimate \$14,160

Computer Programming course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

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 CIT Department for options and system requirements.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C-" or better, except CG 203, CS 276, CS296N, MTH 095, WR 121, WR 227, and Speech elective, which may be completed with a "D-" or Pass grade.
- 3. For more specific information about the Fall/Winter/Spring CS/ CIS/GIS elective sequences please contact the Program Academic Advisor or the Program Counselor 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 as electives.
- 4. List of approved speech electives:

SP 100 Basic Communication

SP 111 Fundamentals of Public Speaking

SP 112 Persuasive Speech

SP 130 Business and Professional Speech

SP 219 Small Group Discussion

Students who complete the Computer Programming Degree will have completed all of the coursework to earn the Database Specialist Career Pathway Certificate. See Computer Information Systems - Health Informatics AAS listing for details.

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.

Program Lead Mari Good, Bldg. 19, Rm. 158, 541.463.5838, goodm@lanecc.edu

Computer Programming

Two-Year Associate of Applied Science Degree

Prerequisites Students must qualify for WR 121, either by placement testing or completing prerequisite courses, and by the third term, qualify to begin MTH 095. Each student should consult with a counselor or advisor to plan a program of study.

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Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

	Winter
ART 288 Introduction to Web Design	3
CIS 125D Software Tools 1: Databases	4
CS 133N Beginning Programming: C# PE/Health requirement	3
CS 179 Introduction to Computer Networks	4
Total Credits	18
Total Credits	10
	Spring
CG 203 Human Relations at Work	3
CS 133JS Beginning Programming JavaScript	4
CS 233N Intermediate Programming C#	4 5
-	
Total Credits	16
Second Year	Fall
CIS 244 Systems Analysis	4
CS 295N Web Development 1: ASP.NET	4
WR 227 Technical Writing	4
CS/CIS/GIS Elective (see Course Requirements, above)	4
Total Credits	16
	Winter
CS 275 Database Systems and Modeling	4
CS 296N Web Development 2: ASP.NET	4
Speech Elective (see approved list above)	4
CS 246 System Design	4
Total Credits	16
	Spring
CS 276 Database SQL Programming	4
CS297P Programming Capstone	5
(second-year standing required)	3
CS/CIS/GIS Elective (see Course Requirements, above)	4
Total Credits	16

Web Programming

Career Pathway Certificate of Completion

Purpose To prepare technicians for entry-level positions as web programmers.

Learning Outcomes The certificate recipient will:

- design, implement, test, debug and document web based computer programs using a variety of current tools and technologies.
- understand the use of web 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.

Prerequisites Students are expected to be comfortable working on a computer, including the ability to create files with a text editor and manage file folders.

Program Lead Mari Good, Bldg. 19, Rm. 158, 541.463.5838, goodm@lanecc.edu

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C-" or better.

Courses required	Credits
CIS 195 Web Authoring	3
CS 133JS Beginning Programming: JavaScript	4
CS 295P Web Development 1: PHP	4
CS 296P Web Development 2: PHP	4
Total Credits	15

Computer Simulation and Game Development

Offered by the Computer Information Technology Department, 541.463.5221

Two-Year Associate of Applied Science Degree, Computer Simulation and Game Development

Career Pathway Certificate of Completion, Computer Game Programming in C++

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 graduate will:

- develop programming knowledge and skills with a current commercial programming language.
- design, program, test, debug and document computer simulation or game programs using a variety of current tools and technologies.
- create computer simulations or games using industry standard development tools.
- 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.

Job Openings Projected through 2020

Lane County openings - 11 annually Statewide openings - 287 annually

Wages

Lane County average hourly - \$36.01; average annual - \$74,909 Oregon average hourly - \$41.22; average annual - \$85,746

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,834
Books and Materials	\$2,232
Laptop Computer	\$1,500
CIT Lab Fees	\$168

Total Estimate \$12,734

Computer Simulation and Game Development course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

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 CIT Department for options and system requirements.

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.

Program Lead Jim Bailey, Bldg. 19, Rm. 146, 541.463.3148, baileyj@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- All electives, Speech, Writing, and the Human Relations requirement must be completed with a "C-" or Pass grade. All other courses must be completed with a letter grade of "C-" or better.

Computer Simulation and Game Development

Two-Year Associate of Applied Science Degree

Prerequisites Students must qualify for MTH 231, CS 161C+ and WR 121 either by placement testing or completing prerequisite courses.

Students should consult with a counselor or advisor to plan a program of study and choose speech and elective courses.

First Year	Fall
CIS 100 Computing Careers Exploration	2
CIS 125G Software Tools 1: Game Development	4
CS 161C+ Computer Science 1	4
Elective	4
Total Credits	14
	Winter
FA 221 Computer Animation	3
CS 162C+ Computer Science 2	4
ART 245 Drawing for Media	4
Elective	4
Total Credits	15
	Spring
CIS 135G Software Tools 2: Game Development	4
CS 260 Data Structures 1	4
FA 222 Computer Animation 2	3
PE/Health requirement	3
Elective	3
Total Credits	17
0 17	
Second Year	Fall
CS 234G Advanced C++ Programming for Games	Fall 4
CS 234G Advanced C++ Programming for Games Elective	
CS 234G Advanced C++ Programming for Games	4
CS 234G Advanced C++ Programming for Games Elective	4
CS 234G Advanced C++ Programming for Games Elective	4 3 4
CS 234G Advanced C++ Programming for Games	4 3 4 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4
CS 234G Advanced C++ Programming for Games Elective	15 Winter 4 4
CS 234G Advanced C++ Programming for Games Elective	15 Winter 4 4
CS 234G Advanced C++ Programming for Games Elective	15 Winter 4 4 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4 4 4 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4 4 4 4 5 Spring
CS 234G Advanced C++ Programming for Games	4 3 4 4 15 Winter 4 4 4 5 Spring 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4 4 4 4 5 Spring 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4 4 4 5 Spring 4
CS 234G Advanced C++ Programming for Games Elective	4 3 4 4 15 Winter 4 4 4 5 Spring 4

Total Credits

14-15

Computer Game Programming in C++

Career Pathway Certificate of Completion

Purpose To provide students with the knowledge and skills required to program in C++, specifically focused on simulation and game programming.

Learning Outcomes The certificate recipient will:

- understand the syntax and semantics of C++ programming.
- demonstrate the ability to solve programming projects using an object-oriented methodology.
- understand and use common data structures to solve programming problems.
- design, develop, test, debug, and document solutions to simulation and computer game problems using a variety of current tools.
- demonstrate the knowledge of common software engineering methodologies.
- develop a portfolio of programs working in a team-oriented environment.

Certificate Lead Jim Bailey, Bldg. 19, Rm. 146, 541.463.3148, baileyj@lanecc.edu

Prerequisites Students are expected to be comfortable working on a computer, including the ability to create files with a text editor and manage file folders. CS 260 has a prerequisite of MTH 111.

Courses Required	
CS 161C+ Computer Science 1	4
CS 162C+ Computer Science 2	4
CS 260 Data Structures	4
CS 234G Advanced C++ Programming for Games	4
Total Credits	16

Computer Specialist

Offered by the Computer Information Technology Department, 541.463.5221

One-Year Certificate of Completion

Purpose To prepare specialists in the use of computer information systems. Specialists use a computer's capabilities as a problem-solving tool for positions that require knowledge of computer hardware, software, and operating procedures.

Learning Outcomes The graduate will:

- have a broad range of skills necessary to be an effective user of information systems.
- have core skills in the use of computers, as well as the related skill areas of mathematics and writing.
- use appropriate library and information resources to research computer-related issues, concepts, and tools and support lifelong technical learning.
- · interpret the concepts of a problem-solving task.
- manipulate variables using computer software applications.
- collect and display data in various formats using computer software.
- understand the use of programming languages to support problem-solving.

Gainful Employment Disclosure

Standard Occupational Classification: 11-3021.00

Go to the Department of Labor's O*Net website for a profile of this occupation:

Computer User Support Specialists onetonline.org/link/summary/15-1151.00
Or check on these O*Net Related Occupations:

Computer Programmers onetonline.org/link/summary/15-1131.00

How many students complete the Computer Specialist 1-year Certificate?

Twenty-nine students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Approximately 3 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 14 positions Statewide: 159 positions

What wages are forecast for this occupation?

Lane County average hourly - \$25.41; average annual - \$52,843 Oregon average hourly - \$34.97; average annual - \$72,735

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$4,237
Books and materials	\$1,616
CIT Lab Fees	\$78

Total Estimate \$5,931

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$5,518
Institutional financing	\$178

Prerequisites Students must qualify for WR 121, either by placement testing or completing prerequisite courses, and by the third term, qualify to begin MTH 095. Each student should consult with a counselor or advisor to plan a program of study.

Program Lead Ron Little, Bldg. 19, Room 156, 541.463.5464, littler@lanecc.edu

Note The curriculum for the Computer Specialist certificate provides a foundation in information technology. This curriculum provides "core" computer information systems knowledge and is the first-year curriculum for the Computer Information Systems degree. It is highly recommended that the student continue on with the second year of the Computer Information Systems degree.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All CIS, CS, and ET courses must be completed with a letter grade of "C-" or better.
- 3. All other courses may be completed with a "C-" or Pass grade.

	Fall
CIS 100 Computing Careers Exploration	2
CIS 102 Problem Solving with Computers	4
CIS 140W Intro to Operating Systems: Windows Clients	4
MTH 095 Intermediate Algebra or higher	5
Total Credits	15

CS 179 Introduction to Computer Networks ET 287 Microcomputer Hardware WR 121 Introduction to Academic Writing Choice of: CIS 195 Web Authoring 1 CS 133N Beginning Programming: C# CS 133P Beginning Programming: Python CS 161C+ Computer Science 1 CS 161J Computer Science 1	Winter 4 4 4 3-4
Total Credits	
CG 203 Human Relations at Work	Spring 3 4 4 4
Total Credits	15

Construction Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree

One-Year Certificate of Completion

Career Pathway Certificate of Completion, Landscape Construction

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 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.

Job Openings Projected through 2020

Lane County openings - 38 annually Statewide openings - 437 annually

Wage

Lane County average hourly - \$21.34; average annual - \$44,386 Oregon average hourly - \$21.96; average annual - \$44,386

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,006
Other Course/Program Costs	\$210
Tools	\$200
Books and supplies	\$700

Total Estimate \$10,116

Construction Technology course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Prerequisites Minimum placement score of 68 in Reading, OR completion of RD 080, OR RD 087 AND EL115, OR prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Admission Information See lanecc.edu/advtech/at/admission-information or contact the Advanced Technology Division, AdvTechPrograms@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. 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 Marv Clemons, Construction Technology Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

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.
- 2. WR and PE/Health requirement must be passed with a Pass or "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite and corequisite information.
- 4. For choices in Foundational Skills and Discipline Studies, see AAS degree description, page 44.

Two-Year Associate of Applied Science Degree

First Year CIS 101 Computer Fundamentals	Fall 3
CST 110 Blueprint Reading 1	3
Environment	2 5
or higher mathematics	4
Total Credits	17
	Winter
CST 118 Building Construction	5
CST 122 Construction Codes	2
CST 211 Blueprint Reading 2	3
PE/Health requirement	3
WR 121 Introduction to Academic Writing	4
Total Credits	17

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

	Spring
CST 116 Construction Estimating	4 5
CST 119 Building Construction Surveying	3
Human Relations requirement	3
Total Credits	15
Second Year	Fall
Arts and Letters requirement	3
CST 280 Co-op Ed: Construction	3
DRF 142 Graphic Concepts DRF 167 CAD 1	2
Directed electives (see list below)	3
Total Credits	15
	Winter
CST 280 Co-op Ed: Construction	3
DRF 208 Residential Buildings	4
Directed electives (see list below)	6
Total Credits	16
	Spring
CST 280 Co-op Ed: Construction	3
Directed electives (see list below)	9
Choice of:Arts/Letters, Science or Computer Science course,	3
or Social Science/Human Relations requirement	
Total Credits	15
Directed Electives (18 credits required for AAS degree)	
Apprenticeship/Electronics Courses	
APPR 101 Trade Skills Fundamentals	4
ET129 Electrical Theory 1	4 4 4
ET129 Electrical Theory 1 ET130 Electrical Theory 2	4
ET129 Electrical Theory 1 ET130 Electrical Theory 2 Business Courses	4
ET129 Electrical Theory 1 ET130 Electrical Theory 2	4
ET129 Electrical Theory 1 ET130 Electrical Theory 2 Business Courses BA 101 Introduction to Business	4 4
ET129 Electrical Theory 1 ET130 Electrical Theory 2 Business Courses BA 101 Introduction to Business BT 165 Introduction to Accounting Cycle Drafting Courses	4 4
ET129 Electrical Theory 1 ET130 Electrical Theory 2 Business Courses BA 101 Introduction to Business BT 165 Introduction to Accounting Cycle Drafting Courses DRF 137 Architectural Drafting – Plans DRF 168 CAD 2	4 4 3
ET129 Electrical Theory 1 ET130 Electrical Theory 2 Business Courses BA 101 Introduction to Business BT 165 Introduction to Accounting Cycle Drafting Courses DRF 137 Architectural Drafting – Plans DRF 168 CAD 2 DRF 205 Drafting: Structures	4 4 3 4 4 4 4
ET129 Electrical Theory 1	4 4 3 4 4 4
ET129 Electrical Theory 1	4 4 3 4 4 4 4
ET129 Electrical Theory 1	4 4 3 3 3 3 3 3
ET129 Electrical Theory 1	4 4 3 4 4 4 4
ET129 Electrical Theory 1	4 4 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ET129 Electrical Theory 1	4 4 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ET129 Electrical Theory 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ET129 Electrical Theory 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ET129 Electrical Theory 1	4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
ET129 Electrical Theory 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Construction Technology

One Year Certificate of Completion

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.

Gainful Employment Disclosure

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

How many students complete the Construction Technology 1-year Certificate?

Two students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 6 positions Statewide: 75 positions

What wages are forecast for this occupation?

Lane County average hourly - \$40.48; average annual - \$84,204 Oregon average hourly - \$39.67; average annual - \$82,514

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Wobolto for apactod tattion and lood,	
Resident tuition and fees\$	55,061
Books, supplies, program costs\$	31,110
On-Campus room and board Not of	ffered

Total Estimate \$6,171

Eall

What's included?

Program Costs: lanecc.edu/advtech/program-costs

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	Not disclosed
Institutional financing	Not disclosed
(For privacy reasons under FERPA, loan information	is not dis-
closed for programs with fewer than ten graduates.))

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.
- 2. WR and PE/Health requirement must be passed with a "C-" or better to fulfill program requirements.
- 3. See course descriptions for prerequisite information.

	ган
CIS 101 Computer Fundamentals	3
CST 110 Blueprint Reading 1	3
CST 111 Construction Orientation and Environment	2
CST 118 Building Construction	5
MTH 085 Applied Geometry for Technicians	
or higher mathematics	4
T (10 10	
Total Credits	17
	Winter
CST 118 Building Construction	5
CST 122 Construction Codes	2
CST 211 Blueprint Reading 2	3
PE/Health elective	3

WR 121 Introduction to Academic Writing	. 4
Total Credits	17
	Spring
CST 116 Construction Estimating	. 4
CST 118 Building Construction	. 5
CST 119 Building Construction Surveying	. 3
Human Relations requirement	. 3
Total Credits	15

Construction, Landscape

Career Pathway Certificate of Completion

Note This curriculum is under review. Please see an advisor or counselor for updated information.

Construction Trades, General Apprenticeship

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree, Construction Trades, General Apprenticeship

Certificate of Completion, Construction Trades, General Apprenticeship

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 develop 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-jobtraining.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,325
Books and supplies	\$1,350

Total Estimate \$11,675

Construction Trades, General Apprenticeship course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

3

3

3

3

Carpenter

Job Openings Projected through 2020

Lane County openings - 38 annually Statewide openings - 437 annually

Wages

Lane County average hourly - \$21.34; average annual - \$44,386 Oregon average hourly - \$21.96; average annual - \$45,675

HVAC

Job Openings Projected through 2020

Lane County openings – 9 annually Statewide openings - 114 annually

Wages

Lane County average hourly - \$20.36; average annual - \$42,354 Oregon average hourly - \$22.71; average annual - \$47,244

Plumber

Job Openings Projected through 2020

Lane County openings - 15 annually Statewide openings - 208 annually

Wages

Lane County average hourly - \$27.78; average annual - \$57,794 Oregon average hourly - \$29.90; average annual - \$57,794

Sheet Metal

Job Openings Projected through 2020

Lane County openings - 7 annually Statewide openings - 115 annually

Wages

Lane County average hourly - \$20.37; average annual - \$42,379 Oregon average hourly - \$23.80; average annual - \$49,515

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*

Program 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. The Construction Trades, General 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 or Oregon University System institution.

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*.

Pre-requisites Minimum placement scores – Reading 68, Writing 64, and Math parts A, B, C with 7/10 score. Note: See the counselor or advisor to obtain the suggested entry-level skills for successful completion of these programs.

Construction Trades, General Apprenticeship

Associate of Applied Science

To earn the degree, a student must

- 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

Course Requirements

- 1. WR 115W and MTH 060 must be completed with a grade of "Pass" or "C-" or better.
- 2. See AAS degree page for choices in Arts and Letters, Human Relations, and Science/Math/Computer Science.

Requirements	Credits
1. General Education WR 115W Intro to College Writing: Workplace Emphasis or higher-level writing MTH 060 Beginning Algebra or higher-level math PE/Health Requirement Arts and Letters requirement Human Relations requirement Science/Math/Computer Science requirement Arts and Letters requirement Science/Math/Computer Science requirement Choice of: Arts and Letters requirement Science/Math/Computer Science requirement	4 3 3 3 3
Journeyman card from Oregon Bureau of Labor and In Apprenticeship and Training Division prior cartification and its	
Division, prior certification credits	22 36-46
Carpenter (36 credits) APR 115 Carpenter Skill Fundamentals	3
APR 116 Carpentry Framing Fundamentals	. 3
APR 117 Carpentry Framing and Introduction to Concrete	
APR 118 Carpentry Framing and Finishing	
APR 119 Carpentry Commercial Plans and Exterior Finish APR 120 Carpentry Interior Finish	
APR 201 Carpentry Basic Rigging and Practices	
APR 202 Carpentry Concrete Practices	

APR 203 Carpentry Forms and Tilt-up Panels

APR 206 Carpentry Equipment and Site Layout

APR 204 Carpentry Advanced Layout and

TVAC reclinician/installer (41-44 credits)	
APR 101A Trade Skills Fundamentals	4
APR 172 Sheet Metal/HVAC Blueprint Reading	3
APR 210 HVAC Systems 1	4
APR 211 HVAC Systems 2	4
APR 212 HVAC Systems 3	4
APR 220A Electrical Code and Exam Prep	2-3
APR 220B Electrical Code and Exam Prep	2-3
APR 220C Electrical Code and Exam Prep	2-3
FT 120 Floatrical Theory 1	
ET 129 Electrical Theory 1	4
ET 130 Electrical Theory 2	4
ET 229 Motors 1	4
ET 230 Motors 2	4
Plumber (36-39 credits)	
APR 160 Plumbing Skill Fundamentals	4
APR 161 Plumbing Materials and Fixtures	4
APR 162 Plumbing Basic Waste Water Systems	2
APR 163 Plumbing Calculations and 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 Pipe Sizing and Systems	4
APR 262 Plumbing Advanced Waste Systems	2
APR 263 Plumbing Code and Test Prep	6-9
At 11 200 Fluiribility Code and Test Frep	0-3
Sheet Metal Worker (46 credits)	
APR 101A Trade Skills Fundamentals	4
APR 170 Introduction to Sheet Metal Apprenticeship	4
APR 171 Sheet Metal Basic Layout	4
APR 172 Sheet Metal/HVAC Blueprint Reading	3
APR 270 Architectural Sheet Metal	4
	4
APR 271 Sheet Metal Building Codes and Installation	-
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
WLD 121 Shielded Metal Arc Welding 1	1
WLD 143 Wire Drive Welding 1	2
4. Program Electives to complete 90 credits for degree:	1-11
APR 101 Trade Skills Fundamentals	4
APR 106 Plumbing Trade Introduction	2
BA 101 Introduction to Business	4
CS 120 Concepts of Computing	4
CST 110 Blueprint Reading	3
CST 111 Construction Orientation and Environment	2
CST 116 Construction Estimating	4
CST 118 Building Construction	1-5
CST 119 Building Construction Surveying	3
DRF 167 CAD 1	4
HE 152 Drugs, Society and Behavior	3
HE 252 First Aid	3
MTH 085 Applied Geometry for Technicians	4
	-
MTH 095 Intermediate Algebra or higher	5
NRG 103 Sustainability in the Built Environment	3
NRG 121 Air Conditioning System Analysis	3
NRG 124 Energy Efficient Methods	4
NRG 158 Thermal Design and Installation 1	4
NRG 159 Thermal Design and Installation 2	4
WATR 101 Introduction to Water Resources	3
WLD 121 Shielded Metal Arc Welding 1	1-4
WLD 122 Shielded Metal Arc Welding 2	1-4
WLD 139 Welding Lab	1-6
WLD 142 Pipe Welding Lab: Carbon Steel	3
WLD 143 Wire Drive Welding 1	1-4
VVED 170 VVIIO DIIVO VVOIGIIIG I	1-4

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Construction Trades, General Apprenticeship

Certificate of Completion

Purpose Students may earn a Certificate of Completion in Construction Trades, General Apprenticeship by successfully completing 36-44 core related training credits with a '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.

To earn the certificate, students 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

8000-Hour BOLI-ATD Trade: Carpenter

8000-Hour BOLI-ATD Trade: HVAC Technician/Installer

8000-Hour BOLI-ATD Trade: Plumber

8000-Hour BOLI-ATD Trade: Sheet Metal Worker

complete related instruction (communication, computation, human relations)..... complete core-related training 36-46

Total Credits

9

3

3 3

3

3

3

3

3

3

Core Related Training requirements (Choice of one of the following trades)

Carpenter (36 Credits) APR 115 Carpenter Skill Fundamentals APR 116 Carpentry Framing Fundamentals APR 117 Carpentry Framing and Introduction to Concrete APR 118 Carpentry Framing and Finishing APR 119 Carpentry Commercial Plans and Exterior Finish APR 120 Carpentry Interior Finish..... APR 201 Carpentry Basic Rigging and Practices..... APR 202 Carpentry Concrete Practices APR 203 Carpentry Forms and Tilt-up Panels APR 204 Carpentry Advanced Layout and Building Systems..... APR 205 Carpentry Advanced Planning and Management APR 206 Carpentry Equipment and Site Layout **HVAC Technician/Installer (41-44 credits)** APR 101A Trade Skills Fundamentals

APR 172 Sheet Metal/HVAC Blueprint Reading..... 3 4 APR 210 HVAC Systems 1..... APR 211 HVAC Systems 2..... 4 APR 212 HVAC Systems 3..... 4 2-3 APR 220A Electrical Code and Exam Prep..... APR 220B Electrical Code and Exam Prep..... 2-3 APR 220C Electrical Code and Exam Prep..... 2-3 ET 129 Electrical Theory 1..... 4 ET 130 Electrical Theory 2..... 4 ET 229 Motors 1..... 4 ET 230 Motors 2.....

Figuriber (30-39 credits)	
APR 160 Plumbing Skill Fundamentals	4
APR 161 Plumbing Materials and Fixtures	4
APR 162 Plumbing Basic Waste Water Systems	2
APR 163 Plumbing Calculations and 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 Pipe Sizing and Systems	4
APR 262 Plumbing Advanced Waste Systems	2
APR 263 Plumbing Code and Test Prep	6-9

Officet Metal Worker (40 Creatts)	
APR 101A Trade Skills Fundamentals	4
APR 170 Introduction to Sheet Metal Apprenticeship	4
APR 171 Sheet Metal Basic Layout	4
APR 172 Sheet Metal/HVAC 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
WLD 121 Shielded Metal Arc Welding 1	1
WLD 143 Wire Drive Welding 1	2

Culinary Arts and Food Service Management

Offered by Culinary Arts and Hospitality Management, 541.463.3503

Two-Year Associate of Applied Science Degree

Dual-Degree Option for Culinary Arts/ Hospitality Management

Sheet Metal Worker (46 credits)

Career Pathway Certificate of Completion, Baking and Pastry

Career Pathway Certificate of Completion, Dietary Manager

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.

Accreditation The Culinary Arts two-year program (AAS degree) is 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).

Learning Outcomes The graduate of the two-year AAS 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.

Job Openings Projected through 2020:

Chefs and Head Cooks Statewide openings - 43 annually Lane County openings - 3 annually

Food Service Managers

Statewide openings - 97 annually Lane County openings - 8 annually

Production Bakers

Statewide openings - 115 annually Lane County openings - 12 annually

Restaurant Cooks

Statewide openings - 605 annually, Lane County openings - 38 annually

Supervisors and Managers of Food Preparation and Serving Workers Statewide openings - 397 annually Lane County openings - 32 annually

Wages

Chefs and Head Cooks - Lane County average hourly - \$18.42
Oregon average hourly \$21.69, average annual - \$45,102
Food Service Managers - Lane County average hourly - \$21.96
Oregon average hourly - \$23.47, average annual - \$48,815
Production Bakers - Lane County average hourly - \$12.58
Oregon average hourly \$13.94, average annual - \$28,998
Restaurant Cooks - Lane County average hourly - \$12.25
Oregon average hourly \$11.71, average annual - \$24,353
Supervisors and Managers of Food Preparation
and Serving Workers - Lane County average hourly - \$14.38
Oregon average hourly \$14.82, average annual - \$30,844

Costs (Estimate based on 2012 tuition and fees for 2-yr program)

Resident Tuition and Student Fees	\$9,893
Differential Fees [‡]	\$2,270
Other Course/Program Costs	\$325
Culinary Books and supplies	\$745
Culinary Fees	\$1860

Total \$15,093

[†] This is the total of all the differential fees attached to Culinary Arts courses. These and other fees may change during the year - see the online credit class schedule for fees assigned to courses.

Licensing and Other Certification Exams During the course of the program, students may earn a National Restaurant Association Education Foundation (NRAEF) Serv-Safe Certification. Other NRAEF Certificate examinations for various courses are available.

Prerequisites 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-64, reading-68 and readiness for MTH 025 – taking Math Placement Test Parts A, B and C – 7 out of 10 in each part, and attach copies of test score sheets to application. Students with prior college credit must attach a copy of transcript(s), and are highly recommended to take the Placement Tests and attaching those scores as well. Math must be current within one year or a Placement Test will be required. A Lane County Food Handlers Card is required for entry into the program.

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hospitality Management office, Building 19, Room 202 or online at lanecc.edu/culinary. Or email: CulinaryHospPrograms@lanecc.edu

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

Program Contact Wendy Milbrat, Administrative Support Specialist, 541.463.3503, *milbratw@lanecc.edu* or email: *Culinary-HospPrograms@lanecc.edu*

Students interested in transferring to a four-year institution should:

- 1. Substitute WR 121 classes for WR 115W.
- 2. Add MTH 111 and MTH 112.
- 3. Add a speech course.
- 4. Add WR 122 and WR 123.

Course Requirements

- 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.
- 2. Students may take Cooperative Education any term approved by the coordinator.

Two-Year Associate of Applied Science Degree

General Education Requirements (may be completed prior to program entry or any program term) Writing requirement Mathematics (MTH 025 or higher) HE 252 First Aid	3 3 3 3 3 3 3 3
Total Credits	21
	Fall
CA 160 Introduction to Cooking Theories 1	6
CA 175 Foodservice Sanitation and Safety	2
Choice of General Education Requirement	3
Choose one of the following each term to complete all three	ee: 3
HRTM 105 Restaurant Operations	
HRTM 106 Introduction to Hospitality Management CA 200 Menu Management	
FN 105 Nutrition for Foodservice Professionals	3
-	
Total Credits	17
	Winter
CA 162 Introduction to Cooking Theories 2	7
HRTM 220 Sustainability in the Hospitality Industry	2
Choice of General Education Requirement	3
Choose one of the following each term to complete all thre HRTM 105 Restaurant Operations	ee: 3
HRTM 106 Introduction to Hospitality Management	
CA 200 Menu Management Directed Electives	0-3
Total Credits	15
	Spring
CA 163 Introduction to Cooking Theories 3	7
Choice of General Education Requirement	3
Choose one of the following each term to complete all thre HRTM 105 Restaurant Operations	_
HRTM 106 Introduction to Hospitality Management	
CA 200 Menu Management	
Directed Electives	0-4
Total Credits	13-17

	Summer
CA 280 Co-op Ed: Culinary Arts, Second Year	7
Total Credits	7
	Fall
CA 292 Advanced Cooking Theories 1 HRTM 265 Hospitality Financials 1	7 3
HRTM 260 Hospitality Human Resources and Supervision	3
Choice of General Education Requirement	3
Directed Electives	0-3
Total Credits	16-19
	Winter
CA 176 Concepts of Taste and Flavor	3 7
CA 293 Advanced Cooking Theories 2 HRTM 275 Hospitality Financials 2	3
Choice of General Education Requirement	3
Directed Electives	0-3
Total Credits	16-19
	Spring
CA 294 Advanced Cooking Theories 3	7
HRTM 290 Hospitality Leadership Directed Electives	3
Choice of General Education Requirement	3
Total Credits	17
Directed Electives	
BA 278 Leadership and Team Dynamics	4
BI 103H General Biology	4
BT 163 QuickBooks	3
BT 123 MS Excel for Business BT 122 MS PowerPoint for Business	3
BT 120 MS Word for Business	3
CA 110 Culinary Adventuring: Local Guest Chef Series	2
CA 120 Culinary Adventuring: Seasonal Baking and Pastry	2
CA 121 Culinary Adventuring: The Composition of Cake	2
CA 123 Culinary Adventuring: International	
Baking and Pastry CA 130 Culinary Adventuring: Oregon Wine Country	2
CA 159 Kitchen Fundamentals	2
CA 163A Beginning Baking and Pastry	3
CA 163B Intermediate Baking and Pastry CA 163C Advanced Baking and Pastry	3
CA 225 Catering Lab	2
CS 120 Concepts of Computing: Information	
Processing ES 102 Contemporary Racial and Ethnic Issues	4
FN 110 Personal Nutrition	3
FN 235 Managing Food and Nutrition Services	3
FN 255 Introduction to Medical Nutrition Therapy FN 280 Co-op Ed: Dietary Manager	3
GEOG 201 World Regional Geography	3
HRTM 100 Introduction to Culinary Arts	2
and Hospitality ManagementHRTM 104 Introduction to Travel and Tourism	3
HRTM 109 Principles of Meeting and Convention	
Management	3
HRTM 110 Hospitality Sales and Marketing HRTM 140 Hospitality Law and Security	3
HRTM 209 Advanced Principles of Meeting and	
Convention Management	3
HRTM 205 Managing the Restaurant Operation 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 PHL 201 Ethics	4
SP 115 Introduction to Intercultural Communications	4
SP 130 Business and Professional Speech	4
SUST 101 Introduction to Sustainability	3

Dual-Degree Option for Culinary Arts/ Hospitality Management

Advising Plan for Culinary Arts AAS students (Completing a second Two-year Associate of Applied Science degree)

Culinary Arts students who obtain the 2-year AAS degree in Hospitality Management will enhance their industry skill set and education. This list shows how Culinary Arts graduates may also complete the AAS degree in Hospitality Management.

	Fall
HRTM 225 Banquet Operations	2
HRTM 230 Hotel Operations 1	3
HRTM 286 Bar and Beverage Management	3
Total Credits	8
	Winter
HRTM 110 Hospitality Sales and Marketing	3
HRTM 225 Banquet Operations	2
HRTM 231 Hotel Operations 2	3
HRTM 140 Hospitality Law and Security	3
Total Credits	11
	Spring
HRTM 225 Banquet Operations	2
HRTM 205 Managing the Restaurant Operation	3
Total Credits	5

Baking and Pastry

Career Pathway Certificate of Completion

Purpose The Career Pathways Certificate (CPC) program in Baking and Pastry is for students who want to gain entry into the food service industry as beginning bakers and pastry cooks. All of the classes offered in this CPC program apply directly to an Associate of Applied Science degree in Culinary Arts and Foodservice Management.

Learning Outcomes The graduate 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 Hospitality Management office, Building 19, Room 202 or online at lanecc.edu/culinary. Or email: CulinaryHospPrograms@lanecc.edu

Costs in Addition to Tuition (estimate)

Differential Fees	\$976
This is the total of all the differential fees attached to Baking and Pas	try

Career Pathway Certificate courses. These and other fees may change during the year - see the online credit class schedule for fees assigned to courses.

Career Pathway Certificate of Completion	Fall
CA 120 Culinary Adventuring: Seasonal	
Baking and Pastry	2
CA 163A Beginning Baking and Pastry	3
CA 175 Foodservice Safety and Sanitation	2
Total Credits	7

	Winter
CA 123 Culinary Adventuring: International Baking and Pastry CA 163B Intermediate Baking and Pastry MTH 025 Basic Mathematics Applications or higher	2 3 3
Total Credits	8
CA 120 Culinary Adventuring: Seasonal	Spring
Baking and Pastry	2
CA 121 Culinary Adventuring: Composition of Cake	2
CA 163C Advanced Baking and Pastry	3
Total Credits	7
CA 120 Culinary Adventuring: Seasonal	Summer
Raking and Pastry	(2)

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Dietary Manager

Career Pathway Certificate of Completion

Offered in partnership with the Health Professions Division by Culinary Arts and Hospitality Management, 541.463.3503; 541.463.5525

Purpose To offer Culinary Arts students the opportunity to earn an additional industry credential in dietary services management to broaden their employability as part of a health professionals team.

According to the Association of Nutrition and Foodservice Professionals, a Certified Dietary Manager (CDM®) has the education, training, and experience to competently perform the responsibilities of a dietary manager and has proven this by passing a nationally-recognized credentialing exam and fulfilling the requirements needed to maintain certified status. CDMs are experts at managing dietary operations. They are trained and qualified to administrate menus, food purchasing, and food preparation; and to apply nutrition principles, document nutrition information, ensure food safety, manage work teams, and more.

Learning Outcomes Graduates will be able to direct and control or assist with the dietary departments of hospitals, long-term care facilities, schools, correctional facilities, and many other settings, having skills for:

- · menu planning
- · food purchasing
- · food service sanitation and safety
- · financial management
- · employee recruitment, training and supervision
- supervising the serving of special meals prescribed for medical purposes
- nutritional screening
- documentation of nutritional assessment data in the medical

Job Openings Projected through 2020

Lane County openings - 7 annually

Statewide openings - 87 annually

Wages

Lane County average hourly - \$26.67; average annual - \$53,029 Oregon average hourly - \$29.35; average annual - \$64,609

Costs in Addition to Tuition and Registration Fees (Estimate based on 2011 data) - Subject to change without notice.

Admission Information Available from the Health Professions office or online at *lanecc.edu/hp*.

Program Endorsement The Dietary Manager Program has been approved by the Association of Nutrition and Foodservice Professionals through June 2015. Graduates are eligible for the credentialing exam and active ANFP membership.

Cooperative Education (Co-op) The Dietary Manager Training Program requires 4 credits (150 hours) of practical experience. 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. Contact Tamberly Powell, Dietary Manager Co-op Coordinator, Bldg. 4, Rm. 229, 541.463.5525, powellt@lanecc.edu

Program Coordinator Tamberly Powell, 541.463.5525, powellt@ lanecc.edu

Program Counseling and Advising The Health Professions 1 Team, Building 1, Room 103

Career Pathway Certificate Fall, or Winter, or FN 105 Nutrition for Foodservice Professionals	r Spring 3
Fall of FN 255 Medical Nutrition Therapy	r Spring 3
FN 235 Managing Food and Nutrition Services	Winter 3
Choice of:FN 280 Co-op Ed: Dietary Manager or CA 280 Co-op Ed: Culinary Arts	Spring 4
- Total Credits	13

(Culinary Arts students completing this Certificate may take these Co-op hours as Directed Elective credits for the AAS Degree)

Food Preparation and Production

Career Pathway Certificate of Completion

This curriculum is under review. Please see an advisor or counselor for updated information.

Dental Assisting

Offered by Health Professions Division, 541.463.5617

One-Year Certificate of Completion

(See also Two-Year Associate of General Studies in Transfer Plans)

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 receptionist-bookkeeper.

Learning Outcomes The graduate will:

- demonstrate knowledge and skills required to collect diagnostic data systematically.
- demonstrate knowledge and skills required to perform a variety of clinically supportive treatments.
- demonstrate knowledge and skill required to accurately expose, develop and mount diagnostic radiographs.
- 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 needed to compute mixing amounts for impression materials, cements, and disinfecting/ sterilizing solutions, as well as calculate plaque indexing and inverse square law formulas.
- demonstrate knowledge and ability to write/edit multiple types of professional communications.

Gainful Employment Disclosure

Standard Occupational Classification: 31-9091.00

Go to the Department of Labor's O*Net website for a profile of this occupation:

Dental Assistants

onetonline.org/link/summary/31-9091.00

Or check on these O*Net Related Occupations:

Surgical Technologists onetonline.org/link/summary/29-2055.00

How many students complete the Dental Assisting 1-year Certificate?

Twenty-three students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Approximately 17 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 17 positions Statewide: 192 positions

What wages are forecast for this occupation?

Lane County average hourly - \$19.92; average annual - \$41,417 Oregon average hourly - \$18.80; average annual - \$39,089 Starting salary in the Eugene/Springfield area ranges from \$14-17 hourly or \$28,560-34,680 annually.

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$5,211 \$952
Books	\$600
Required Program Costs	
(uniforms, National and State Board exams, etc.)	\$4,402
On-Campus room and board Not	offered

Total Estimate \$11,165

[†] This is the total of all the differential fees attached to Dental Assisting courses. These fees and other costs may change during the year - see the online credit class schedule for fees assigned to courses.

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$9,459
Institutional financing	\$0

Program Accreditation 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.

Licensing or Other Certification Students complete three National Board examinations each year administered by the Dental Assisting National Board, and are also eligible to receive all state required credentials, by submitting one clinical board and successfully completing the program.

Admission Information Contact the Health Professions Department or see *lanecc.edu/hp/dental/dental-assisting*

For assistance with meeting application or program requirements, contact Counseling and Advising in Building 1 room 103 or E-mail DAProgram@lanecc.edu with your specific questions. An online Academic Advising resource can be found by going to lanecc.edu/. Choose the "Moodle" link and in search courses type in the program name (e.g. Dental Assisting). Select "Academic Advising Resources for Dental Assisting".

Dental Assisting is a concentrated program that requires good reading and study skills. Students are encouraged to take DA 110 Health Sciences and DA 103 Dental Law and Ethics prior to entry into the program. Evidence of a physical examination (within the previous nine months) must be submitted prior to admission to the program.

Continuing Education The employed dental assistant may be eligible to register for any course offered if space permits and if the working assistant meets state credentialing qualifications by contacting the Program Coordinator, Leslie Greer 541.463.5638.

Course Requirements

- Human Relations, Computer, Math and Writing courses required as prerequisites for the Certificate program must be completed for a letter grade.
- 2. Human Relations prerequisites may be selected from the following:

CG 144 Introduction to Assertive Behavior

CG 203 Human Relations at Work

CG 204 Eliminating Self-Defeating Behavior

SOC 204 Introduction to Sociology

SOC 205 Social Stratification and Social Systems

SOC 206 Institutions and Social Change

SOC 207 Women and Work

SOC 210 Marriage, Family and Intimate Relations

SP 218 Interpersonal Communication

- 3. DA 103 Dentistry, Law and Ethics and DA 110 Health Sciences are offered Online.
- For most DA courses students must be enrolled in the Dental Assisting program. Exceptions are DA 103 and 110.
- 5. All DA courses must be taken for a letter grade and passed with a 75% class average.
- 6. Some courses have prerequisites. See course descriptions.

If program is extended over two years, all first term courses should be taken over the first year.

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 at least 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. Contact Leslie Greer, Dental Assisting Co-op Coordinator, Bldg. 4, Rm. 135, 541.463.5638, greerl@lanecc.edu

Program Coordinator: Leslie Greer 541.463.5638

Prerequisites	Credits
MTH 052 Basic Math Applications (or higher)	4
Human Relations requirement	3-4
Choice of:	4
WR 115 Introduction to College Writing	
WR 121 Introduction to Academic Writing	
Choice of:	3-4
CIS 101 Computer Fundamentals or	
CS 120 Concepts of Computing: Information Processing	
Total Credits	14-16

Students must be admitted to the Dental Assisting program to enroll in the following Dental Assisting courses, with the exceptions of DA 110 Health Sciences and DA 103 Dental Law and Ethics, which students are encouraged to take prior to entry into the certificate program. These classes are offered summer term as well as the following terms. Evidence of a physical examination (within the previous nine months) must be submitted prior to admission to the program.

One-Year Certificate of Completion

One real destinoate of dompletion	
	Fall
DA 107 Dental Health Education 1	1
DA 110 Health Sciences	3
DA 115 Dental Anatomy	3
DA 192 Dental Materials 1	3
DA 195 Chairside Procedures	6
DA 210 Dental Radiology	4
Total Credits	20
	Winter
DA 108 Dental Health Education 2	3
DA 193 Dental Materials 2	3
DA 194 Dental Office Procedures	3
DA 196 Chairside Procedures 2	7
DA 211 Dental Radiology 2	2
Total Credits	18
	Spring
DA 102 Advanced Clinical Experiences	3
DA 103 Dentistry, Law and Ethics	2
DA 206 Co-op Ed Seminar: Dental Assisting	1
DA 280 Co-op Ed: Dental Assisting	5
Total Credits	11

Dental Hygiene

Offered by Health Professions Division, 541.463.5617 Two-Year Associate of Applied Science Degree

Purpose To prepare graduates for careers as licensed clinical dental hygienists providing preventive, therapeutic, restorative and educational methods for the control of oral disease and promotion of optimal oral health.

Learning Outcomes The graduate will:

demonstrate ethics, values, knowledge and skills in the provision of evidence based dental hygiene practice.

- use critical thinking skills and self-evaluation in the provision of patient care, disease prevention and exposure control.
- 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.
- demonstrate application of refined instrumentation skills for periodontal, restorative and therapeutic interventions.
- initiate and assume responsibility for health promotion and disease prevention activities.
- use assessment, planning, implementation and evaluation in the provision of dental hygiene services for the general dental patient, special needs populations and community groups.
- use mathematical and statistical concepts to calculate dosages and assess dental research/literature for application to clinical and preventive dental care strategies.
- use appropriate library and information resources to research professional issues, community program planning and to support lifelong learning.

Job Openings Projected through 2020

Mid-Willamette -Mid-Coast region openings - 14 annually Statewide openings - 134 annually

Wages

Lane County average hourly - \$37.36; average annual - \$77,708 Oregon average hourly - \$38.46; average annual - \$80,009

Program Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition	\$7,644
Differential Fees [‡]	\$10,317
Student and Program Fees	\$2,381
Other Course/Program Costs	\$12,508

Total Estimate \$32,850

Estimated Program Costs Program costs are provided to students at required application review sessions; see application packet. Examination fees estimated at \$2,400 are paid beginning in January of the second year of the curriculum. Clinical rotation sites may require a criminal background check, and licensure applications after graduation require a national background check.

Program Accreditation The 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.

Licensing or Other Certification National Dental Hygiene Board and the Western Regional Examining Boards for Local Anesthesia, Restorative Dentistry and Clinical Dental Hygiene. Graduates eligible for licensure application throughout the U.S. and an Expanded Practice Certification in Oregon.

Admission Information See lanecc.edu/hp/dental/dental-hygiene for additional information and the admission packet.

Prerequisites In order to apply for entry, all applicants must complete the following minimum courses with a letter grade of C or better. Some of these courses have prerequisites. (See course descriptions.) Other specialized program requirements will be described in acceptance materials.

The following courses or their equivalent are required in or apply to the program.	der to
BI 112 Cell Biology for Health Occupations	4
CH 112 Chemistry for Health Occupations	4
WR 121 Introduction to	•
Academic Writing	4
BI 231 Human Anatomy and Physiology 1	4
BI 232 Human Anatomy and Physiology 2	4
FN 225 Nutrition	4
Choice of:	3
SOC 204 Introduction to Sociology	
SOC 205 Social Stratification and Systems	
SOC 206 Institutions and Social Change	
MTH 052 Math for Introductory Physical Sciences	
or higher mathematics	4
Choice of:	4
SP 100 Basic Communication	
SP 111 Fundamentals of Public Speaking	
Choice of:	4
PSY 201, 202, 203 General Psychology	
Total Credits	39

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. Contact Leslie Greer, Dental Hygiene Co-op Coordinator, Bldg. 4, Rm. 135, 541.463.5638, greerl@lanecc.edu

Counseling and Advising 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

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.

First Year DH 107 Dental Infection Control and Safety DH 113 Dental Anatomy and Histology DH 118A Clinical Dental Hygiene 1 DH 118B Clinical Dental Hygiene 1 Lab DH 228 Oral Biology 1 DH 243A Oral Roentgenology 1 DH 243B Oral Roentgenology 1 Lab	Fall 1 2 4 2 4 2 1
Total Credits	16
	Winter
DH 119A Clinical Dental Hygiene 2	3
DH 119B Clinical Dental Hygiene 2 Lab	4
DH 139 Special Needs Dental Patient	2
DH 229 Oral Pathology for the Dental Hygienist	3
DH 244A Oral Roentgenology 2	1
DH 244B Oral Roentgenology 2 Lab	1
Total Credits	14

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

[†] This is the total of all the differential fees attached to Dental Hygiene courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

BI 233 Human Anatomy and Physiology 3	Spring 4 4 3 4 2 3 3
Total Ground	
DH 280 Co-op Ed: Dental Hygiene	Summer 0-3
Second Year DH 220A Clinical Dental Hygiene 4 DH 220B Clinical Dental Hygiene 4 Lab DH 233 Anesthesia/Analgesic for Dental	Fall 2 5
Hygiene Therapy DH 270 Periodontology 1 DH 275 Dental Hygiene Restorative Functions 1 Choice of: WR 123 Composition: Research WR 227 Technical Writing	3 2 2 4
Total Credits	18
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 Functions 2	Winter 2 6 3 1 1
Total Credits	13 Spring
DH Clinical Dental Hygiene 6 DH Clinical Dental Hygiene 6: Lab DH 234 Trends and Issues in Dental Hygiene DH 238 Community Dental Health Total Credits	2 5 2 1
Total Credits	10

Diesel Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree
Lift Truck/Material Handling Equipment Technician Option

Two-Year Certificate of Completion

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 and service, and general heavy equipment repair shops.

Learning Outcomes The graduate will:

- access library, computing, and communications services and obtain information and data from regional and national networks.
- explain and identify various technologies used in the repair of on- and off-highway vehicles.
- · demonstrate and use industry safety standards.
- demonstrate basic math skills using formulas to find force, pressure, area, and volume.
- use lab station simulators to diagnose and troubleshoot system components.
- demonstrate troubleshooting and repair procedures of diesel engine fuel systems using industry standard tooling including disassembly, failure analysis, assembly and operation of major components.

- demonstrate troubleshooting and repair procedures of heavy equipment brake systems using industry standard tooling including disassembly, failure analysis, assembly and operation of major components.
- demonstrate troubleshooting and repair procedures of heavy equipment power train systems using industry standard tooling including disassembly, failure analysis, assembly and operation of major components.
- 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.

Job Openings Projected through 2020

Lane County openings - 17 annually Statewide openings - 159 annually

Wages

Lane County average hourly - \$20.21; average annual - \$42,030 Oregon average hourly - \$21.16; average annual - \$44,020

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,160
Differential Fees*	\$2,400
Other Course/Program Costs	\$886
Tools	\$400
Books and supplies	\$1,300

Total Estimate \$15,146

Program Accreditation Association of Equipment Distributors Foundation (AEDF). Membership: Northwest Diesel Industry Council (NDIC) and Oregon Trucking Association (OTA)

Prerequisites Minimum placement score of 68 in Reading or completion of RD 080 or RD 087 and EL115 or prior college. A high school diploma or equivalent is recommended for all applicants to this program. See counselor or advisor to learn what entry-level skills are suggested for successful completion of this program.

Admission Information See lanecc.edu/advtech/ds or contact the Advanced Technology Division, *AdvTechPrograms@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

^{*} This is the total of all the differential fees attached to Diesel Technology courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

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 Marv Clemons, Diesel Technology Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All DS, MFG courses and MTH 060 must be completed with a letter grade of "C-" or better.
- 3. 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.

Two-Year Associate of Applied Science Degree

First Year DS 155 Heavy Equipment Hydraulics	Fall 12
MTH 060 Beginning Algebra or higher mathematics	4
Total Credits	16
DS 154 Heavy Duty Braking Systems	Winter 12 4
PE/Health requirement	3
Total Credits	19
DS 158 Heavy Equipment Chassis and Power Trains	Spring 12
Human Relations requirementWR 115W Introduction to College Writing: Workplace	3
Emphasis or higher writing	3
Total Credits	18
Second Year DS 256 Diesel and Auxiliary Fuel Systems MTH 085 Applied Geometry for Technicians	Fall 12
or higher mathematics	4 3-4
WLD 122 Shielded Metal Arc Welding 2 Total Credits	19-20
DS 257 Diesel Electrical Systems	Winter 12 4
WLD 143 Wire Drive Welding 1	4
Total Credits	20
DS 259 Diesel Engines and Engine Overhaul Arts and Letters requirement DS 280 Co-op Ed: Diesel (optional elective)	Spring 12 3 (3)
Total Credits	15-18

Two-Year Certificate of Completion

Gainful Employment Disclosure

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

How many students complete the Diesel Technology 2-year Certificate?

Eight students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students? Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 17 positions

Statewide: 159 positions

What wages are forecast for this occupation?

Lane County average hourly - \$20.21; average annual - \$42,030 Oregon average hourly - \$21.16; average annual - \$44,020

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$12,603
Books, supplies, program costs	\$2,456
On-Campus room and boardNo	t offered

Total Estimate \$15,059

Total Credits

Total Credits

16

12 3

15

Spring

What's included?

Program Costs: lanecc.edu/advtech/program-costs

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans Not disclosed
Institutional financing Not disclosed
(For privacy reasons under FERPA, loan information is not dis-
closed for programs with fewer than ten graduates.)

closed for programs with fewer than ten graduates.)	
First Year DS 155 Heavy Equipment Hydraulics MTH 060 Beginning Algebra or MTH 085 Applied	Fall 12
Geometry for Technicians or higher mathematics	4
Total Credits	16
DS 154 Heavy Duty Braking Systems	Winter 12 4
Total Credits	16
DS 158 Heavy Equipment Chassis and	Spring
Power Train's	12 3
Emphasis or higher writing	3
Total Credits	18
Second Year DS 256 Diesel and Auxiliary Fuel Systems Choice of:	Fall 12 3-4
MFG 197 Manufacturing Technology WLD 122 Shielded Metal Arc Welding 2	3-4
Total Credits	15-16
DS 257 Diesel Electrical Systems	Winter 12 4

DS 259 Diesel Engines and Engine Overhaul

PE/Health elective

Diesel Technology: Lift Truck/Material Handling Equipment Technician Option

Two-Year Associate of Applied Science Degree

(This curriculum is under review during academic year 2013-14. See an advisor or counselor for current information.)

Drafting

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree One-Year Certificate of Completion

Purpose To prepare students for careers in architectural and mechanical drafting. The profession requires attention to detail and the ability to learn mathematical, visual, and communication skills. Architectural Drafters may work for a residential designer, a structural engineer, an architect, a cabinet shop, or a construction firm. Mechanical Drafters may work in the manufacture of electronics, precision sheet metal, heavy equipment, steel fabrication, process piping, and plastics.

Learning Outcomes The graduate of the one-year program will:

- demonstrate basic competence in the use of at least one CAD software program. (Setup a drawing, create and modify text and geometry, use associative dimensioning correctly, create, store, and use blocks or symbols, manage object properties including linetype and layer, create objects in three dimensions, and print or plot drawings using a correct scale.)
- · demonstrate basic graphical literacy.
- explain basic standard practices in architectural and mechanical drafting.
- interpret the concepts of a problem-solving task and translate them into mathematical language, and solve using mathematical operations.

In addition to the above outcomes, the graduate of the two-year program will:

- use graphic principles in the solution of problems relating to drafting and/or design.
- access information from public libraries, research libraries, online sources, appropriate codes and standards, professional organizations, and vendor catalogs.
- produce drawings in accordance with industry standards, e.g., ANSI/ASME, AIA, building codes.

Job Openings Projected through 2020

Lane County openings - 9 annually Statewide openings - 117 annually

Wages

Lane County average hourly - \$19.42 to \$26.73; average annual - \$40,394 to \$55,596

Oregon average hourly - \$22.14 to \$26.21; average annual - \$40,058 to \$54,508

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees Other Course/Program Costs	
Tools	
Books and supplies	

Total Estimate \$10,463

Drafting course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Prerequisites Minimum placement score of 68 in Reading OR completion of RD 080 OR RD 087 And EL115 OR prior college. A high school diploma or equivalent is recommended for all applicants to this program. Basic computer literacy skills are a prerequisite to any CAD course.

Admission Information See *lanecc.edu/advtech/dft* or contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu*

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 Tamara Pinkas, Drafting Co-op Coordinator, Bldg. 19, Rm. 231D, 541.463.5011, pinkast@lanecc.edu

Course Requirements

- 1. 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.
- 4. 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.

Two-Year Associate of Applied Science Degree

First Year	Fall
DRF 142 Graphic Concepts	2
DRF 167 CAD 1	4
CS 120 Concepts of Computing: Information Processing	-
or higher computer science	4
MTH 075 Applied Algebra for Technicians	
or higher mathematics	4
or migner mathematics	
Total Credits	14
	Winter
CST 122 Construction Codes	2
DRF 168 CAD 2	4
DRF 208 Residential Buildings	4
Human Relations Requirement	3
MTH 085 Applied Geometry for Technicians or higher	4
Total Credits	17
	Spring
DRF 121 Mechanical Drafting	4
DRF 137 Architectural Drafting - Plans	4
DRF 206 Co-op Ed: Drafting Seminar	2
DRF 245 Solid Modeling	3
WR 121 Introduction to Academic Writing	4
Total Credits	17
Second Year	Fall
DRF 205 Drafting: Structures	4
DRF 210 Commercial Buildings	4
DRF 232 Mechanical Design	4
DS 155 Heavy Equipment Hydraulics	1
PE/Health requirement	3
Total Credits	16
	Winter
DRF 207 Drafting: Strength of Materials	4
DRF 220 Building Information Modeling	4
DRF 233 Geometric Tolerancing	4
WR 227 Technical Writing	4
Total Credits	16

102	Drafting - Early Childhood Education	
DRF	211 Mechanical Systems and	Spring
Env	rironmental Design	4
	234 Power Trains and Accessories Design	4 2
	R 280D Co-op Ed: Drafting	3
	Total Credits	13
One-	Year Certificate of Completion	
Gain	ful Employment Disclosure	
Go t	dard Occupational Classification: 17-3011.01 o the Department of Labor's O*Net website for a profi pation:	le of this
onet Or c Civil	itectural Drafters conline.org/link/summary/17-3011.01 heck on these O*Net Related Occupations: Drafters onetonline.org/link/summary/17-3011.02 hanical Drafters onetonline.org/link/summary/17-3013	.00
	many students complete the Drafting 1-year Certificative students completed this certificate in academic year	
Appr for the od for declar certinatter more prep	t was the on-time graduation rate for these students roximately 8 percent completed in the number of termis program in the catalog. Note: The federally require or calculating this rate assumes students will enroll furiare a major immediately, and enroll in it continuously ficate completion. In reality, many community collegend part-time, explore several majors, stop out for a termite, change their majors, or brush-up academic skills to ared for college level courses, affecting this narrowly me completion rate.	ns listed ed meth- ll-time, until students m or be better
Lane	many jobs are forecast in this occupation between 2 County: 9 positions ewide: 117 positions	010-20?
Lane \$40,3 Oreg	t wages are forecast for this occupation? County average hourly - \$19.42 to \$26.73; average ar 394 to \$55,596 Jon average hourly - \$22.14 to \$26.21; average annual 058 to \$54,508	
How (Esti	much will the program cost? mates based on 2012-13 data for full-time students. Soluting part-time will incur additional term fees. Consulsite for updated tuition and fees.)	
Resi Bool	dent tuition and fees	\$5,013 \$1,790 offered
	Total Estimate	\$6,803
	t's included?	
Wha	ram Costs: lanecc.edu/advtech/program-costs t is the median loan debt incurred by students who	
	pleted the program in 2012? eral Loans	\$0
Insti	tutional financing	\$0
DRE	142 Graphic Concepts	Fall 2
DRF	167 CAD 1	4
CIS CS or h	101 Computer Fundamentals 120 Concepts of Computing: Information Processing higher computer science course	3-4
	085 Applied Geometry for Technicians nigher mathematics	4
	Total Credits	13-14
		Winter
	122 Construction Codes	2 4
DRF	208 Residential Buildings	4

Human Relations Requirement

MTH 075 Applied Algebra for Technicians or higher mathematics	4
Total Credits	17
	Spring
DRF 121 Mechanical Drafting	4
DRF 137 Architectural Drafting-Plans	4
DRF 206 Co-op Ed: Drafting Seminar	2
DRF 245 Solid Modeling	3
WR 121 Introduction to Academic Writing	
or higher writing	4
_	
Total Credits	17

Early Childhood Education

Offered by the Child and Family Education Department, 541.463.5517

Two-Year Associate of Applied Science Degree

One-Year Certificate of Completion

Career Pathway Certificate of Completion, Guidance and Curriculum

Career Pathway Certificate of Completion, Infant and Toddler

Purpose To prepare students for successful careers as childcare professionals in a variety of settings such as for-profit and not-for-profit childcare centers, on-site childcare centers in the business community, university and community college laboratory programs, government sponsored programs such as Head Start and Even Start and in a family childcare business.

Learning Outcomes The graduate will:

- plan and carry out developmentally appropriate curriculum activities for children ages infant through kindergarten.
- choose age appropriate guidance methods to enhance the child's development of self-worth, self-esteem, problem-solving skills and abilities for day-to-day life.
- design and effectively use environments that maximize children's abilities to make choices, explore personal power, develop empathy and caring behaviors, learn responsible roles for the classroom and appropriate relationships with others.
- assist parents with skill building in the areas of guidance, nutrition, and appropriate activity choices, and work effectively in a variety of roles with children and families.
- facilitate the operation of childcare 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.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,650
Other Course/Program Costs	\$150
Books and supplies	\$1800

Total Estimate \$10,600

Early Childhood Education course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Childcare Worker Job Openings Projected through 2020

Lane County openings - 21 annually

Statewide openings - 270 annually

Lane County average hourly wage - \$10.16; average annual - \$21,127

Oregon average hourly wage- \$10.63; average annual - \$22,111

Teacher Assistant Job Openings Projected through 2020

Lane County openings - 74 annually

Statewide openings - 636 annually

Lane County average hourly wage- \$14.17; average annual - \$28.911

Oregon average hourly wage- \$14.30; average annual - \$29,165

Preschool Teacher Job Openings Projected through 2020

Lane County openings - 22 annually

Statewide openings - 281 annually

Lane County average hourly wage- \$13.78; average annual - \$28,646

Oregon average hourly wage- \$13.78; average annual - \$26,578

Licensing or Other Certification Exams Required Individuals are not issued a license, but must meet requirements as defined by the State of Oregon Child Care Division.

Admission Information 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.

Cooperative Education (Co-op) Co-op offers sixth term Early Childhood Education students college credit and a grade for on-the-job work experience related to their educational and career goals. Through a cooperative education learning site, students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Work schedules and work sites vary. Students are required to do one term of ED280EC for five credits to earn the AAS degree; they are eligible to enroll after they have reached sixth-term standing in the program. Contact Kathleen Lloyd, Early Childhood Ed Co-op Coordinator, Bldg. 27, Rm. 413, 541.463.5527, lloydk@lanecc.edu

Visit the web *lanecc.edu/cfe/ece* for detailed information about the program and lab school.

Course Requirements

- All ANTH, 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.
- 2. MTH course must be taken for a grade, not P/NP.
- 3. See course descriptions for prerequisite information.
- For choices in Foundational Skills and Discipline Studies, see AAS degree description, page 44.

Two-Year Associate of Applied Science Degree

First Year	Fall
ECE 120 Intro to Early Childhood Education	2
ECE 130 Guidance of Young Children	3
ECE 140 Theory and Supervised Teaching 1	3
HDFS 226 Child Development	3
WR 115 Introduction to College Writing	
or other AAS equivalent	4
Total Credits	15

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

	Winter
ECE 105 Health and Safety Issues in Early Childhood Ed.	2
ECE 110 Observing Children's Behavior	1
ECE 140 Theory and Supervised Teaching 1	3
ECE 150 Creative Activities for Children	3
ECE 170 Infants and Toddlers Development	4
MTH 025 Basic Math Applications	
or higher level mathematics	3
Total Credits	16
	Spring
ECE 160 Exploring Early Childhood Curriculum	4
ECE 240 Theory and Supervised Teaching 2	4
FN 230 Family, Food and Nutrition	3
Choice of:	3-4
ANTH 103 Cultural Anthropology	
CG 203 Human Relations at Work Directed elective (refer to list below)	3
Total Credits	17-18
	17-10
Second Year	Fall
ECE 210 Applying Early Childhood Curriculum	4
ECE 240 Theory and Supervised Teaching 2 Directed elective (refer to list below)	4 3
Science/ Math/ Computer Science requirement	4
_ · · · · · · · · · · · · · · · · · · ·	
Total Credits	15
	Winter
ECE 230 Family, School, Community Relations	3
ECE 240 Theory and Supervised Teaching 2	4
HDFS 227 Children Under Stress	3
Discipline Studies requirement, choice of:	4
Social Science	
Science/Math/Computer Science	
Total Credits	14
Total Gloats	• •
FCE 250 lafe at and Taddlan Facility and	Spring
ECE 250 Infant and Toddler Environments ECE 260 Administration of Child Care Programs	3
ED 280EC Co-op Ed: Early Childhood Ed	5 5
Arts/Letters requirement	3
Choice of:	3
Health requirement	
Physical Education Activity requirement	

Directed electives may be selected from the following list; alternative courses must be approved by the ECE Program Coordinator in advance:

Total Credits

17

CG 144 Introduction to Assertive Behavior

CG 145 Coping with Stress and Depression

CG 204 Eliminating Self-Defeating Behavior

CG 211 Dreikursian Principles of Child Guidance 1

CG 212 Dreikursian Principles of Child Guidance 2

ED 225 Creative Dance for Children

ENG 100 Children's Literature

HDFS 228 Young Children with Special Needs

HDFS 233 Parenting

Early Childhood Education

One-Year Certificate of Completion

Purpose To prepare students for successful careers as childcare professionals in a variety of settings such as for-profit and not-for-profit childcare centers, on-site childcare centers in the business community, university and community college laboratory programs, government sponsored programs such as Head Start and Even Start, and in a family childcare business.

Learning Outcomes The graduate will:

- choose age appropriate guidance methods to enhance the child's development of self-worth, self-esteem, problem-solving skills and abilities for day-to-day life.
- design and effectively use environments that maximize children's abilities to make choices, explore personal power, and develop empathy and caring.
- 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.

Gainful Employment Disclosure

Standard Occupational Classification: 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
Or check on these O*Net Related Occupations:

Kindergarten Teachers, Except Special Education onetonline.org/ link/summary/25-2012.00

How many students complete the Early Childhood Education 1-year Certificate?

Twenty-six students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Approximately 8 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 22 positions Statewide: 281 positions

What wages are forecast for this occupation?

Lane County average hourly - \$13.78; average annual - \$28,646 Oregon average hourly - \$12.77; average annual - \$26,578

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$4,445
Books, supplies, program costs	\$975
On-Campus room and board	Not offered

Total Estimate \$5,420

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$2,311
Institutional financing	\$948

Course Requirements

- All ANTH, 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.
- 2. MTH course must be taken for a grade, not P/NP.
- 3. See course descriptions for prerequisite information.

	Fall
ECE 120 Intro to Early Childhood Education	2
ECE 130 Child Care and Guidance	3
ECE 140 Theory and Supervised Teaching 1	3
HDFS 226 Child Development	3

WR 115 Introduction to College Writing	
or other AAS equivalent	4
Total Credits	15
	Winter
ECE 105 Health and Safety Issues in Early Childhood Ed	2
ECE 110 Observing Children's Behavior	1
ECE 140 Theory and Supervised Teaching 1	3
ECE 150 Creative Activities for Children	3
ECE 170 Infants and Toddlers Development	4
MTH 025 Basic Math Applications	_
or higher level mathematics	3
Total Credits	16
	Spring
ECE 160 Exploring Early Childhood Curriculum	4
ECE 240 Theory and Supervised Teaching 2	4
FN 230 Family, Food and Nutrition	3
Choice of:	3-4
ANTH 103 Cultural Anthropology	
CG 203 Human Relations at Work	
Directed elective (refer to list below)	3
Total Credits	17-18

Directed electives may be selected from the following list; alternate courses must be approved by the ECE Program Coordinator in advance:

- CG 144 Introduction to Assertive Behavior
- CG 145 Coping with Stress and Depression
- CG 204 Eliminating Self-Defeating Behavior
- CG 211 Dreikursian Principles of Child Guidance 1
- CG 212 Dreikursian Principles of Child Guidance 2
- ED 225 Creative Dance for Children
- ENG 100 Children's Literature
- HDFS 228 Young Children with Special Needs
- **HDFS 233 Parenting**

Guidance and Curriculum

Career Pathway Certificate of Completion

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.

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.

	Fall
ECE 120 Intro to Early Childhood Education	2
ECE 130 Guidance of Young Children	3
ECE 140 Theory and Supervised Teaching 1	3
ECE 150 Creative Activities for Children	3
ECE 160 Exploring Early Childhood Curriculum	4
ECE 210 Applying Early Childhood Curriculum	4
Total Credits	19

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Infant and Toddler

Career Pathway Certificate of Completion

Purpose Prepares graduates to plan quality and developmentally appropriate environments for infants and toddlers.

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.

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.

First Year	Fall
ECE 130 Guidance of Young Children	3
ECE 140 Theory and Supervised Teaching 1	3
ECE 170 Infants and Toddlers Development	4
ECE 250 Infant and Toddler Environments	3
HDFS 226 Child Development	3
Total Credits	16

Electrician Apprenticeship Technologies

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree, Electrician Apprenticeship Technologies

Certificate of Completion, Electrician Apprenticeship Technologies

Certificate of Completion, Limited Electrician Apprenticeship Technologies

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-thejob-training.

Job Openings Projected through 2020

Lane County openings - 24 annually Statewide openings - 381 annually

Nages

Lane County average hourly - \$28.46; average annual - \$59,184 Oregon average hourly - \$32.73; average annual - \$68,074

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,325
Books and supplies	\$1,350

Total Estimate \$11,675

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.

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*

Program 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. 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 or Oregon University System institution.

Licensing or Other Certification Electrician trades require successful completion of trade-specific licensure examinations through the Oregon Building Codes Division.

Pre-requisites Minimum placement scores – Reading 68, Writing 64, and Math parts A, B, C with 7/10 score. Note: See the

counselor or advisor to obtain the suggested entry-level skills for successful completion of these programs.

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).

Electrician Apprenticeship Technologies

Associate of Applied Science

To earn the degree, a student must:

- 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.

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All courses must be completed with a letter grade of "C" or better.

AAS requirements	Credits
General Education WR 115W Intro to College Writing: Workplace Emphasis or higher-level writing	3
or higher-level math	4 3 3 3 3 3
Journeyman card from Oregon Bureau of Labor and Industries Apprenticeship and Training Division Electrician Core-Related Training (Choice of one of the following trades)	22 21-48
Limited Maintenance Electrician (21-22 credits) ET 129 Electrical Theory 1	4 4 4 4 2-3 3
Limited Energy Technician License B (26-27 credits) APR 101A Trade Skills Fundamentals	4 4 4

APR 143 Limited Voltage Cabling.....

APR 144 System Planning and Maintenance

APR 220 Electrical Code and Exam Prep	2-3
Limited Energy Technician License A (38-39 credits)	
APR 101A Trade Skills Fundamentals	4
APR 140 Electrical System Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Testing Equipment and Specialized Applications	4
APR 143 Limited Voltage Cabling	4
APR 144 System Planning and Maintenance	4
APR 220 Electrical Code and Exam Prep	2-3
APR 240 Alarm Systems	4
APR 241 Audio and Signaling SystemsAPR 242 Limited Voltage System Integration	4
Arn 242 Littilled Vollage System integration	+
Manufacturing Plant Electrician (36-43 credits)	
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 228 Apprenticeship Blueprint Reading	3
ET 129 Electrical Theory 1ET 130 Electrical Theory 2	4
ET 229 Motors 1	4
ET 230 Motors 2	4
ET 234 Programmable Controllers 1	4
ET 235 Programmable Controllers 2	4
WLD 121 Shielded Metal Arc Welding	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	
APR 134 Electrical Generators, Transformers, and Motors	
APR 135 Electrical Generators, Transformers,	_
and Motors Lab3	
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 225 Electrical Motor Controls	5
APR 226 Electrical Grounding/Bonding and Blueprint Reac	
APR 227 Electrical System Troubleshooting	3
Program Electives to complete 90 credits for degree:	0-25
APR 101 Trade Skills Fundamentals	4
APR 105 Residential Wiring	4
ET 129 Electrical Theory 1	4
ET 130 Electrical Theory 2	4
ET 234 Programmable Controllers 1	4
CS 120 Concepts of Computing	4
CST 110 Blueprint Reading CST 111 Construction Orientation and Environment	3
CST 118 Building Construction	1-5
DRF 167 CAD 1	4
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	4
WLD 121 Shielded Metal Arc Welding 1	1-4

Electrician Apprenticeship Technologies

Certificate of Completion

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 Graduates will:

- apply theory to electrical wiring.
- repair and install electrical wire devices according to licensure regulations to meet NEC and OSC for Inside Electrician,

Limited Energy Technician-License A, and/or Manufacturing Plant Electrician.

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. All courses must be completed with a letter grade of "C" or

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-ATD Trade: Limited Energy Technician-License A
 - 8000-Hour BOLI-ATD Trade: Inside Wire Electrician 8000-Hour BOLI-ATD Trade: Manufacturing Plant Electrician
- complete related instruction credits
- (communication, computation, human relations) complete core-related training credits...... 36-48

45-57

Total Credits

Core Related Training requirements (Choice of one of the following trades)

Limited Energy Technician License A (38-39 credits)	
APR 101A Trade Skills Fundamentals	4
APR 140 Electrical System Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Testing Equipment and Specialized Applications	4
APR 143 Limited Voltage Cabling	4
APR 144 System Planning and Maintenance	4
APR 220 Electrical Code and Exam Prep	2-3
APR 240 Alarm Systems	4
APR 241 Audio and Signaling Systems	4
APR 242 Limited Voltage System Integration	4
Manufacturing Plant Electrician (36-43 credits)	

manadataning i lant Electrician (00 40 cicaits)	
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 228 Apprenticeship Blueprint Reading	3
ET 129 Electrical Theory 1	4
ET 130 Electrical Theory 2	4
ET 229 Motors 1	4
ET 230 Motors 2	4

ET 234 Programmable Controllers 1	. 4
ET 235 Programmable Controllers 2	. 4
WLD 121 Shielded Metal Arc Welding	. 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 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 Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 220 Electrical Code and Exam Prep	2-3
APR 225 Electrical Motor Controls	5
APR 226 Electrical Grounding/Bonding and Blueprint Reading	5
APR 227 Flootrical System Troubleshooting	-

Limited Electrician Apprenticeship Technologies

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.

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. All courses must be completed with a letter grade of "C" or

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 of 21-27 credits Certificate of Completion
- complete core related training

Core Related Training requirements (Choice of one of the following trades)

Limited Maintenance Electrician (21-22 credits)

Emilion manifoliano Eloctrician (E i EE croatto)	
ET 129 Electrical Theory 1	4
ET 130 Electrical Theory 2	4
ET 229 Motors 1	4
ET 230 Motors 2	
APR 220 Electrical Code and Exam Prep	2-3
APR 228 Apprenticeship Blueprint Reading	3
Limited Energy Technician License B (26-27credits)	
APR 101A Trade Skills Fundamentals	4
APR 140 Electrical System Installation Methods	4
APR 141 Limited Voltage Electrical Circuits	4
APR 142 Testing Equipment and Specialized Application	ons 4
APR 143 Limited Voltage Cabling	4
APR 144 System Planning and Maintenance	4
APR 220 Electrical Code and Exam Prep	2-3

Electronic Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree

Purpose To provide graduates with the basic principles of electronic theory and the associated lab skills needed for successful work in the electronics industry. A graduate qualifies for entrylevel employment as an electronic engineering technician, electronic production technician, electronic instrument technician, industrial electronic technician, or for employment in the military.

Learning Outcomes The graduate will:

- · learn systematic methods of problem solving.
- demonstrate the ability to operate electronic test equipment such as digital oscilloscopes, DMM, power supplies and function generators.
- demonstrate the ability to generate and read schematic drawings and apply that knowledge to understand the operation of a physical circuit.
- construct, modify, and test operational multistage digital or analog circuits.
- examine defective circuits, investigate possible causes of the defect, and determine how to troubleshoot and repair the circuit.
- follow the flow of an automated manufacturing process, recognize the transducers used to monitor a process and, using programmable controllers (PLCs), ladder logic, and robotics, create, test and troubleshoot an automated process.
- demonstrate the ability to use a microcontroller and PBASIC software to control electronic circuits.
- · assemble and troubleshoot a personal computer.

- access library, computing, and communications services and obtain information and data from regional, national, and international networks.
- evaluate different types of motors and connect motor control circuitry such as switches, relays and frequency drives while demonstrating professional wiring and safety techniques.

Job Openings Projected through 2020

Lane County openings - 2 annually

Statewide openings - 104 annually

Workers must have postsecondary training to gain the necessary skills for this occupation. Those with an associate degree have a competitive advantage in this labor market.

Wages

Lane County average hourly - \$28.81; average annual - \$59,919 Oregon average hourly - \$26.47; average annual - \$55,066

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,095
Other Course/Program Costs	\$350
Tools	\$200
Books and supplies	\$2,250

Total Estimate \$11,895

Electronic Technology fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Prerequisites Minimum placement score of 68 in Reading OR completion of RD 080 OR RD 087 And EL115 OR prior college AND MTH060 or higher with a grade of "C-" or better or pass a placement test through the Testing Office. A high school diploma or equivalent is recommended for all applicants to this program.

Admission Information See lanecc.edu/advtech/et or contact Advanced Technology Division, *AdvTechPrograms@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. Contact Marv Clemons, Electronics Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, *clemonsm@lanecc.edu*

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- MTH 095 and WR 121 must be completed with a grade of "Pass" or "C-" or better.
- 3. All ET and ENGR courses and MTH 065 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.
- 4. PE/Health and Human Relations requirement choices are listed on the Associate of Applied Science degree page.

First Year	Fall
ET 121 Shop Practices	2
ET 129 Electrical Theory 1	4
MTH 065 Elementary Algebra or higher	
level mathematics	4
CS 120 Concepts of Computing: Information Processing	
or higher computer science course	4
PE/Health requirement	3
Total Credits	17

	Winter
ET 130 Electrical Theory 2	4
ET 145 Semiconductor Devices 1	4
ET 151 Digital Electronics 1	4
MTH 095 Intermediate Algebra or higher	
level mathematics	5
Total Credits	17
	Spring
ET 131 Electrical Theory 3	4
ET 146 Semiconductor Devices 2	4
ET 152 Digital Electronics 2	4
Academic Writing	4
Total Credits	16
Second Year	Fall
ET 229 Motors 1	4
ET 234 Programmable Controllers 1	4
ET 239 Microprocessor Applications	4
ET247 Linear Circuits	4
Total Credits	16
	Winter
ET 235 Programmable Controllers 2	4
ET 230 Motors 2 ENGR 280E Co-op Ed:	4
Electronic Technology	3
Human Relations requirement	3
· -	
Total Credits	14
	Spring
ET 226 Programmable Controllers	4
ET 281 Radiotelephone	4
ET 287 Microcomputer Hardware	4
WR 227 Technical Writing	4
Total Credits	16

Winter

Emergency Medical Technician – See "Paramedicine"

Energy Management Technician

Offered by the Institute of Sustainable Practices, 541.463.6160

Two-Year Associate of Applied Science Degree

Two-Year Associate of Applied Science Options Renewable Energy Technician Building Controls Technician

Purpose Prepare students for careers in Energy Management, Building Controls Technology, and Renewable Energy

Learning Outcomes The graduate will:

- evaluate the energy use patterns for residential and commercial buildings and recommend energy efficiency and alternative energy solutions for high energy consuming buildings.
- understand the interaction between energy consuming building systems and make energy consumption recommendations based on that understanding.
- construct energy evaluation technical reports and make presentations for potential project implementation.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- 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., graphing calculators, computer software).
- develop and evaluate inferences and predictions that are based on collected data.
- read and analyze building blue prints including floor, mechanical, and electrical plans.
- interpret the concepts of a problem-solving task, and using mathematics, translate concepts into energy related projects.

The graduate of the Renewable Energy Technician Option will also:

- appropriately size and recommend renewable energy system types for particular situations.
- understand and put into practice the installation protocol for Photovoltaic (PV) and Solar Domestic Hot Water (thermal) Systems.
- determine appropriate site solar systems using contemporary siting technology.
- understand local, state, and federal jurisdiction codes related to solar PV and Thermal installation.
- become familiar with the tools, technology, and software used in the design and installation of solar PV and Solar thermal systems.

The graduate of the Building Controls Technician Option will also:

- · understand control system management software.
- · diagnose and troubleshoot existing building control systems.
- become familiar with modules and electronics commonly used to implement building automation.
- analyze a variety of commercial HVAC and lighting systems from a controls perspective.

Employment Trends 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.

Wages

Energy Management: \$38,000-45,000 annually.

Renewable Energy Technician: \$25,000-35,000 annually, depending on region.

Building Controls Technician: \$35,000-45,000.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,227
Other Course/Program Costs	\$ 1,800
Estimated annual cost	\$12,027

^{*} Subject to change without notice.

Admission Information Roger Ebbage, Bldg. DCA, Rm. 412A, *ebbager@lanecc.edu*, Ginny Young, Bldg DCA/406, *youngg@lanecc.edu*. This is a limited enrollment program. Students must apply to the program by completing an Energy Program application form. Applicants must have completed Math 065 or 070 and are required to attend an orientation meeting the first week of August prior to starting the program.

Accreditation 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.

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 the degree requirements. Contact Gerry Meenaghan, Cooperative Education, Bldg. 19, Rm. 231A, 541.463.5203.

Program Director Roger Ebbage, Downtown Campus, 541.463.6160, *ebbager@lanecc.edu*

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- Instructor permission is required for all Physics and NRG courses.
- 3. MTH 111 must be completed by the end of the first year.
- 4. NRG 111, NRG 141 and NRG 142 contain computation instruction to meet industry requirements.
- Health/PE requirement, Directed Electives, WR 121, and WR 227 may be taken any term.

may be taken any term.	
First Year	Fall
BT 123 MS Excel for Business	4
NRG 102 Blueprint Reading: Residential and	
Commercial	3
MTH 111 College Algebra	5
NRG 101 Introduction to Energy Management	3
NRG 103 Sustainability in the Built Environment	3
PH 101 Fundamentals of Physics	4
Total Credits	22
	Winter
NRG 111 Residential/Light Commercial Energy	
Analysis	3
NRG 154 Alternative Energy Technologies NRG 206A Co-op Ed:	3
Energy Management Seminar 1	1
PH 102 Fundamentals of Physics	4
WR 121 Introduction to Academic Writing	4
Human Relations Requirement	3
Total Credits	18
	Spring
NIDO 404 AT O THE TO A THE	- 3
NRG 121 Air Conditioning Systems Analysis	3
NRG 121 Air Conditioning Systems Analysis NRG 124 Energy Efficient Methods	3 4
NRG 121 Air Conditioning Systems Analysis NRG 124 Energy Efficient Methods NRG 131 Lighting Fundamentals	
NRG 124 Energy Efficient Methods	4
NRG 124 Energy Efficient Methods NRG 131 Lighting Fundamentals	4
NRG 124 Energy Efficient Methods	4 3 4
NRG 124 Energy Efficient Methods	4 3 4
NRG 124 Energy Efficient Methods	4 3 4 14 Fall
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter 4
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter 4
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter 4
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter 4 4
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 3 12 Winter 4 4 1 3
NRG 124 Energy Efficient Methods	4 3 4 14 Fall 3 3 3 3 12 Winter 4 4

Total Credits

15

	Spring
NRG 113 Building Energy Simulations	4
NRG 142 Energy Accounting	3
NRG 280 Co-op Ed: Energy Management	6
Total Credits	13

Total Credits	13
Renewable Energy Technician Opti	on
First Year	Fall
BT 123 MS Excel for Business	4
MTH 111 College Algebra	3 5
NRG 101 Introduction to Energy Management	3
NRG 103 Sustainability in the Built Environment	3
PH 101 Fundamentals of Physics	4
Total Credits	22
	Winter
NRG 111 Residential/Light Commercial Energy Analysis	3
NRG 154 Alternative Energy Technologies	3
NRG 206 A Co-op Ed: Energy Management	1
Seminar 1PH 102 Fundamentals of Physics	4
WR 121 Introduction to	
Academic Writing Human Relations Requirement	4 3
Total Credits	18
	Spring
NRG 121 Air Conditioning Systems Analysis	3
NRG 124 Energy Efficient Methods	4
NRG 131 Lighting Fundamentals	3
WR 227 Technical Writing	4
Total Credits	14
Second Year	Fall
ET 129 Electrical Theory 1	4
NRG 141 Energy Investment Analysis NRG 155 Photovoltaic Design	3
and Installation 1NRG 157 Renewable Energy Systems	4 3
Total Credits	14
ET 130 Electrical Theory 2	Winter 4
NRG 156 Photovoltaic Design	4
and Installation 2	4
NRG 158 Solar Thermal Design and Installation 1	4
NRG 206 B Co-op Ed: Energy	4
Management Seminar 2	1
Choice of:Physical Education Activity requirement	3
Health requirement	
Total Credits	16
NDC 450 C L TL LD .	Spring
NRG 159 Solar Thermal Design	4
and Installation 2 NRG 162 Solar Photovoltaics Systems Design	4
and Installation	4
NRG 280 Co-op Ed: Energy Management	6
Total Credits	14

Building Controls Technician Ontion

Building Controls Technician Option	n
First Year	Fall
BT 123 MS Excel for Business	4
Commercial MTH 111 College Algebra	3 5
NRG 101 Introduction to Energy Management	3
NRG 103 Sustainability in the Built Environment	3
PH 101 Fundamentals of Physics	4
Total Credits	22
NDO 444 D. C.	Winter
NRG 111 Residential/Light Commercial Energy Analysis	2
CS133P Beginning Programming: PythonNRG 206A Co-op Ed:	3
Energy Management Seminar 1	1
PH 102 Fundamentals of Physics	4
WR 121 Introduction to Academic Writing	4
Total Credits	16
	Spring
NRG 121 Air Conditioning Systems Analysis	3
NRG 124 Energy Efficient Methods NRG 131 Lighting Fundamentals	4
WR 227 Technical Writing	4
Total Credits	14
Second Year	Fall
NRG 141 Energy Investment Analysis NRG 122 Commercial Air Conditioning	3
stems Analysis	3
NRG 185 Lighting Controls	4
CG 203 Human Relations at Work	3
Total Credits	17
	Winter
NRG 112 Commercial Energy Use Analysis	4
NRG 206B Co-op Ed: Energy Management Seminar	1
NRG 123 Energy Control Strategies NRG 182 Commercial HVAC Controls	4
NRG 181 Direct Digital Controls 1	4
Total Credits	17
	Spring
NRG 184 Direct Digital Controls 2	4
NRG 183 Controls Retuning and Troubleshooting	4 6
NRG 280 Co-op Ed: Energy Management Physical Education or Health	3
Total Credits	17
	•

Directed Electives:

NRG 280 Coop Ed

DRF 167 CAD 1 DRF 168 CAD 2 BT 223 MS EXCEL for Business - Expert SPAN 101 Spanish, First-Year SPAN 102 Spanish, First-Year BA101 Introduction to Business **ENVS184 Global Climate Change PS297 Environmental Politics** PSY201 General Psychology SP100 Basic Communication SP105 Listening and Critical Thinking SP111 Fundamentals of Public Speaking SP112 Persuasive Speech SP218 Interpersonal Communication WATR221 Water Mechanical Systems WATR105 Water Conservation: Residential WATR202 Fostering Sustainable Practices WATR215 Integrated Water Management

Exercise and Movement Science

Offered by the Health, Physical Education and Athletics Division, 541.463.5545

Two-Year Associate of Applied Science Degree, Exercise and Movement Science

Two-Year Certificate of Completion, Fitness Specialist Level 2

One-Year Certificate of Completion, Fitness Specialist Level 1

Career Pathways Certificate
Group Exercise Instructor

Purpose The Purpose of the 2-year AAS and Fitness Specialist Level 2 Certificate is to prepare students for various careers in the fitness industry, including personal training, group exercise instruction, coaching, athletic training, pre-physical therapy, wellness coaching, and recreation management.

Learning Outcomes The graduate will:

- demonstrate excellent interpersonal skills in the areas of leadership, motivation, management, and communication.
- understand and apply basic science information from the fields of biology, chemistry, and physics as they relate to the exercise science field.
- understand and apply advanced exercise principles related to applied kinesiology, physiology, injury prevention, conditioning, resistance training, and functional training in order to create responsive, adaptive, and personalized exercise programs for a diverse clientele.
- understand, synthesize, and apply nationally recognized standards for fitness and health and be able to communicate the benefits and precautions associated with exercise.
- understand, analyze and apply behavior modification strategies to enhance exercise and health behavior change with clients.
- analyze and administer various fitness assessments including the measurement of cardiovascular endurance, body composition, flexibility, muscular strength and endurance, power, speed, and balance in both a laboratory setting and a gym or health club setting.
- evaluate, design and demonstrate safe and effective exercise programs for groups or individuals who are apparently healthy or modify exercise programs to enhance participation and meet the needs of those with medically controlled diseases under the care and supervision of a physician.
- analyze, synthesize, evaluate, and utilize appropriate library and information resources to apply current fitness industry research and support lifelong professional education.
- apply and interpret advanced algebraic formulas to fitness assessment data and exercise programming and critically analyze results and training implications.
- respond to the needs of a diverse clientele and demonstrate inclusive practices.
- understand and evaluate current trends in the fitness industry and be able to provide responsive and timely programming and services to serve the health and fitness needs of individuals in their workplace, community, and the nation.
- demonstrate excellent leadership abilities, interpersonal communication skills, organizational and presentation skills and other necessary professional qualities demanded of health and fitness professionals in the workforce.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

- understand and demonstrate professional scope of practice and role within the health and fitness field and the allied health care system and practice appropriate and ethical professional conduct.
- identify and communicate the unique benefits of group exercise in the health and fitness industry.

Job Openings Projected through 2020

Lane County openings - 9 annually Statewide openings - 16 annually

Wages

Lane County average hourly - \$16.00; average annual - \$33,277 Oregon average hourly - \$18.01; average annual - \$37,451

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,275
Other Course/Program Costs	\$135
Books and supplies	\$1,050

Total Estimate \$10,460

Exercise and Movement Science course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses. Costs related to obtaining National Certification post-graduation range from \$200-\$500 per certification.

Program Certification The American College of Sports Medicine endorsed the curriculum for Lane Community College's Associate of Applied Science program. This curriculum covers the knowledge, skills, and abilities expected of an ACSM Health/Fitness Specialist®. This curriculum has been reviewed for the educational content and has been endorsed by ACSM.

Admission Contact the Health and PE department for Program information sheets and application packets, or see: lanecc.edu/healthpe/exercise-and-movement-science-program

Program requirements In addition to completing all required coursework and meeting college graduation requirements, students must meet the following criteria for program completion:

- attendance at a mandatory program orientation before fall term of the student's first year in the program
- earn letter grade of "C" or higher and earned accumulative G.P.A. of 3.0 or higher in all program core courses
- complete all required Cooperative Education credits (10 credit requirement). Details will be provided on required sites
- abide by and uphold all program and college expectations and responsibilities
- · receive acceptable evaluations from all program instructors
- receive acceptable evaluations from all Cooperative Education work experience supervisors and Cooperative Education coordinators
- · attend an exit interview with program coordinator

Course Requirements

- All EXMS courses must be passed with a letter grade of "C" or better.
- All PE 280 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.

Cooperative Education (Co-op) Cooperative Education internships provide job-related experiences and are an integral component of the program. Students will begin by completing required on-campus internships in the Fitness Education Center (2 credits required) during their first two terms in the program.

Upon successful completion ("C" letter grade or higher) of all core classes during Fall and Winter term of the first year and Co-op credits in the Fitness Education Center, students are then eligible to start completing required Co-op credits in other areas (see Program Coordinator for approved list and requirements). Students may also begin to apply for a variety of on-campus and off-campus internships in various fitness disciplines to fulfill the 6 remaining elective Co-op credits. More details and direction will be given to students regarding required and optional internship sites. Students are encouraged to choose a variety of sites. Maximum credit limits apply in each area. For more information contact: Sue Thompson, Bldg. 5, Rm. 227 541.463.5735, thompsons@lanecc.edu; or Kathleen Seeley, Bldg. 5, Rm. 236 541.463.5573, seeleyk@lanecc.edu.

Program Coordinator Marisa Hastie, Bldg. 5, Rm. 221, 541.463.5552, hastiem@lanecc.edu

Exercise and Movement Science

Fitness Specialist Level 2

Associate of Applied Science Degree

Two-Year Certificate of Completion

Gainful Employment Disclosure

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 onetonline.org/link/summary/39-9031.00
Or check on these O*Net Related Occupations:

Recreation Workers onetonline.org/link/summary/39-9032.00

How many students complete the 2-year Fitness Specialist Level 2 Certificate?

No students completed this certificate in academic year 2011-12.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 16 positions Statewide: 143 positions

What wages are forecast for this occupation?

Lane County average hourly - \$16.00; average annual - \$33,277 Oregon average hourly - \$18.01; average annual - \$37,451

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

\$9,275
\$2,280
offered

Total Estimate \$11,555

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

First Year	Fall
EXMS 194F Professional Activity: Fitness Assessment and Exercise Prescription: Field Tech	3
Conditioning	2
EXMS 196 Applied Anatomy and Kinesiology	3
Choice of:FN 225 Nutrition	4
FN 240 Intro to Nutrition and Metabolism	
Choice of:PE 183A Conditioning PE 183F Fitness Education: Introduction	1

PE 280F Co-op Ed: Fitness	1 4
WR 115 Introduction to College Writing WR 121 Introduction to Academic Writing	
Total Credits	18
EXMS 194T Professional Activity: Techniques of Group	Winter
Exercise LeadershipEXMS 295 Injury Prevention and Management	2
PE 280F Co-op Ed: Fitness	1
PE 183U Strength Training PE 183U Strength Training for Women	1
Choice of:	6
BI 102I General Biology – Human Biology BI 112 and CH 112 Bio-Bonds Learning Community	
(co-requisites; CH 112 will count as Directed Elective) Choice of:	4-5
MTH 070 Introductory Algebra (or MTH 060 + 065 equival MTH 095 Intermediate Algebra MTH 105 Introduction to Contemporary Mathematics MTH 111 College Algebra	ent)
Total Credits	17-18
EXMS 135 Applied Exercise Physiology 1	Spring 3
HE 252 First Aid	3
Choice of:	3
HE 125 Workplace Health and Safety HE 152 Drugs, Society and Behavior	
HE 251 Wilderness First Aid HE 209 Human Sexuality	
HE 222 Consumer Health HE 240 Holistic Health	
HE 250 Personal Health	
HE 255 Global Health and Sustainability HE 275 Lifetime Health and Fitness	
EXMS 214 Physiology Exercise and Healthy Aging Choice of:	2
PE 280F Co-op Ed: Fitness PE 280RT Co-op Ed: Corrective Fitness	
PE 280 Co-op Ed: Physical Education PE 280AR Co-op Ed: Aerobics	
PE 280W Co-op Ed: Wellness	
PE 280M Co-op Ed: Fitness Management PE 280AT Co-op Ed: Athletic Training	
Choice of:	4
SP 105 Listening and Critical Thinking	
SP 111 Fundamentals of Public Speaking SP 115 Introduction to Intercultural Communications	
SP 218 Interpersonal Communication Total Credits	18
Second Year	Fall
EXMS 235 Applied Exercise Physiology 2	3
Directed Electives (see list below)	3 2
PE 280F Co-op Ed: Fitness PE 280RT Co-op Ed: Corrective Fitness PE 280 Co-op Ed: Physical Education	
PE 280AR Co-op Ed: Aerobics PE 280W Co-op Ed: Wellness	
PE 280M Co-op Ed: Fitness Management	
PE 280AT Co-op Ed: Athletic Training Physical Education Activity elective (see list below)	1
Choice of:WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research WR 123 Composition: Research	
WR 227 Technical Writing	

Choice of:	3	Directed Electives Courses to be selected from the following list:
HE 125 Workplace Health and Safety		BA 101 Introduction to Business
HE 152 Drugs, Society and Behavior		BA 226 Business Law
HE 251 Wilderness First Aid		BA 278 Leadership and Team Dynamics
HE 209 Human Sexuality		BI 101F General Biology - Survey of Biology
HE 222 Consumer Health HE 240 Holistic Health		BI 102D General Biology – Survey of Biology
HE 250 Personal Health		BI 102I General Biology: Human Biology
HE 255 Global Health and Sustainability		BI 112 Cell Biology for Health Occupations (co-requisite CH 112)
HE 275 Lifetime Health and Fitness		BI 231 Human Anatomy and Physiology 1
EXMS 214 Physiology of Exercise and Healthy Aging		BI 232 Human Anatomy and Physiology 2
Total Credits	16	BI 233 Human Anatomy and Physiology 3
		CG 140 Career and Life Planning
	nter	CG 203 Human Relations at Work
EXMS 194L Professional Activity: Fitness Assessment and Exercise Prescription: Lab Techniques	3	CG 206 Coping Skills for Stress and Depression
Physical Education Activity elective (see list below)	1	
Choice of:	2	CG 216 Understanding Eating Issues
PE 280F Co-op Ed: Fitness		CH 104 Introductory Chemistry 1
PE 280RT Co-op Ed: Corrective Fitness		CH 105 Introductory Chemistry 2
PE 280 Co-op Ed: Physical Education PE 280AR Co-op Ed: Aerobics		CH 112 Chemistry for Health Occupations (co requisite BI 112)
PE 280W Co-op Ed: Wellness		CH 221 General Chemistry 1
PE 280M Co-op Ed: Fitness Management		CH 222 General Chemistry 2
PE 280AT Co-op Ed: Athletic Training		CS 120 Concepts of Computing: Information Processing
Directed Electives (see list below)	6	EL 115 Effective Learning
Total Credits	12	EL 115H Effective Learning: Health Science Majors
Sni	ring	EXMS 214 Physiology of Exercise and Healthy Aging
EXMS 294 Foundations of Fitness Management	3	EXMS 227 Introduction to Exercise Science
Directed Electives (see list below)	3	EXMS 275 Exercise and Sport Biomechanics
General Electives	3	FN 110 Personal Nutrition
Physical Education Activity Elective (see list below)	1	FN 190 Sports Nutrition
Choice of:PE 280F Co-op Ed: Fitness	2	FN 230 Family, Food, and Nutrition
PE 280RT Co-op Ed: Corrective Fitness		FN 240 Intro to Nutrition and Metabolism
PE 280 Co-op Ed: Physical Education		HE 125 Workplace Health and Safety
PE 280AR Co-op Ed: Aerobics		HE 152 Drugs, Society and Behavior
PE 280W Co-op Ed: Wellness		HE 209 Human Sexuality
PE 280M Co-op Ed: Fitness Management PE 280AT Co-op Ed: Athletic Training		HE 222 Consumer Health
Cultural Literacy elective		HE 240 Holistic Health
(from AA/OT requirement list in catalog)	3	HE 250 Personal Health
Total Credits	15	HE 251 Wilderness First Aid
DE Activity Floatives Fitmess valeted activity accuracy to be calc	atad	HE 255 Global Health and Sustainability
PE Activity Electives Fitness-related activity courses to be sele- from the following list:	cteu	HO 100 Medical Terminology
		HO 150 Human Body Systems 1
PE 181B Cardio Core Conditioning		HO 152 Human Body Systems 2
PE 181C Combination Aerobics		HS 107 Gerontology and Aging
PE 181D Dance Aerobics		HS 200 Understanding Addictive Behaviors
PE 181K Kickboxing Aerobics		MTH 111 College Algebra
PE 181S Step Aerobics		MTH 112 Trigonometry
PE 181SB Body Sculpt		PH 101 Fundamentals of Physics
PE 181SS Step and Sculpt		PH 102 Fundamentals of Physics
PE 181Y Yogilates		PH 103 Fundamentals of Physics
PE 183A Conditioning		PH 201 General Physics
PE 183B Exercise and Weight Control		PSY 110 Exploring Psychology
PE 183C Exercise Walking		PSY 201 General Psychology
PE 183CG Group Cycling		PSY 202 General Psychology
PE 183E Fitness Circuits		PSY 215 Lifespan Developmental Psychology
PE 183G Fitness Education: Continuing/Returning		PSY 218 Multicultural Psychology
PE 183J Jogging		PSY 239 Introduction to Abnormal Psychology
PE 183R Stability Ball Fitness		SOC 204 Introduction to Sociology
PE 183S Strength Training		SOC 207 Women and Work
PE 183U Strength Training for Women		SOC 208 Sport and Society
PE 183W Progressive Integrative Exercise		SP 105 Listening and Critical Thinking
PE 184K Karate		SP 111 Fundamentals of Public Speaking
PE 184P Personal Defense		SP 112 Persuasive Speech
PE 185T Tai Chi Chuan		SP 115 Introduction to Intercultural Communication
PE 185Y or PE 185Z or PE 185YG Yoga		SP 130 Business and Professional Speech
Students may repeat any of the above PE classes once for cred	dit	SP 218 Interpersonal Communication
to the time, to post any or the above it a diagonal only of the		5. 2.10 interpersonal communication

SPAN 101 Spanish, First Year SPAN 102 Spanish, First Year SPAN 103 Spanish, First Year

WR 122 Composition: Argument, Style and Research

WR 123 Composition: Research WR 227 Technical Writing

Fitness Specialist Level 1

One-Year Certificate of Completion

Learning Outcomes The graduate will:

- demonstrate interpersonal skills in the areas of leadership, motivation, and communication.
- 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 and apply basic behavior modification strategies to enhance exercise and health behavior change with clients.
- administer various basic fitness assessments including the measurement of cardiovascular endurance, body composition, flexibility, muscular strength and endurance in gym or health club settings.
- design and demonstrate safe and effective exercise programs for apparently healthy individuals and groups within current fitness industry standards and best practices.
- utilize appropriate library and information resources to apply current fitness industry research and support lifelong professional education.
- apply and interpret basic algebraic formulas to fitness assessment data and exercise programming.
- respond to the needs of a diverse clientele and demonstrate inclusive practices.
- 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.

Gainful Employment Disclosure

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 onetonline.org/link/summary/39-9031.00

Or check on these O*Net Related Occupations:

Recreation Workers onetonline.org/link/summary/39-9032.00

How many students complete the 1-year Fitness Specialist Level 1 Certificate?

Two students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 15 positions Statewide: 159 positions

What wages are forecast for this occupation?

Lane County average hourly - \$12.82; average annual - \$26,668 Oregon average hourly - \$12.36; average annual - \$25,711

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$5,008
Books, supplies, program costs	\$990
On-Campus room and boardNot	

Total Estimate \$5,998

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Course Requirements

- All EXMS courses must be passed with a letter grade of "C" or better.
- All PE 280 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.

EVMC 104E Professional Activity // Eithean Assessment and	Fall
EXMS 194F Professional Activity: Fitness Assessment and Exercise Prescription: Field Techniques	3
Conditioning	2
EXMS 196 Applied Anatomy and Kinesiology	3
Choice of:FN 225 Nutrition FN 240 Intro to Nutrition and Metabolism	4
Choice of:PE 183A Conditioning	1
PE 183F Fitness Education: Introduction	
PE 280F Co-op Ed: Fitness	1
Choice of: WR 115 Introduction to College Writing	4
WR 121 Introduction to Academic Writing	
Total Credits	18
EXMS 194T Professional Activity: Techniques of Group	Winter
Exercise Leadership	2
EXMS 295 Injury Prevention and Management	3
PE 280F Co-op Ed: Fitness	2
Choice of:	1
PE 183S Strength Training PE 183U Strength Training for Women	
Choice of:BI 102D General Biology – Survey of Biology	4-6
BI 102I General Biology – Human Biology BI 112 and CH 112 Bio-Bonds Learning Community	
(co-requisites; CH 112 will count as Directed Elective)	
Choice of:	4-5 lent)
MTH 105 Intro to Contemporary Mathematics MTH 111 College Algebra	
Total Credits	16-19
	Spring
EXMS135 Applied Exercise Physiology 1	3
HE 252 First Aid	3
HE 275 Lifetime Health and Fitness	3
Human Relations requirement	3
Choice of: HE 125 Workplace Health and Safety	3

MTH 111 College Algebra	
Total Credits	16-1
	Spring
EXMS135 Applied Exercise Physiology 1	
HE 252 First Aid	
HE 275 Lifetime Health and Fitness	
Human Relations requirement	
Choice of:	
HE 125 Workplace Health and Safety	
HE 152 Drugs, Society and Behavior	
HE 251 Wilderness First Aid	
HE 209 Human Sexuality	
HE 222 Consumer Health	
HE 240 Holistic Health	
HE 250 Personal Health	
HE 255 Global Health	
HE 275 Lifetime Health and Fitness	
EXMS 214 Physiology of Exercise and Healthy Aging	
Choice of:	
PE 280F Co-op Ed: Fitness	

PE 280RT Co-op Ed: Corrective Fitness

2

PE 280 Co-op Ed: Physical Education	
PE 280AR Co-op Ed: Aerobics	
PE 280W Co-op Ed: Wellness	
PE 280M Co-op Ed: Fitness Management	
PE 280AT Co-op Ed: Athletic Training	
Choice of:	4
SP 100 Basic Communication	
SP 105 Listening and Critical Thinking	
SP 111 Fundamentals of Public Speaking	
SP 115 Introduction to Intercultural Communications	
SP 218 Interpersonal Communication	
Total Credits	21

Group Exercise Instructor Certificate

Career Pathway Certificate of Completion

Purpose (Group Exercise Instructor Career Pathway Certificate)

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 Co-operative education experiences serve as a "launching pad" 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:

- design, evaluate, and instruct safe and effective group exercise classes utilizing a variety of exercise modalities.
- appropriately modify and adapt group classes to meet the needs of a variety of participants.
- demonstrate excellent interpersonal skills in the areas of leadership, exercise motivation, and communication (written, verbal, and non-verbal).
- apply nationally recognized standards for group exercise instruction.
- communicate to participants the benefits, risks, and precautions involved with participation in group exercise.
- understand the role of proper nutrition and training techniques as they relate to physical fitness and weight management.
- identify and implement risk management strategies and safety precautions to ensure a safe and productive exercise experience for all participants.
- identify and communicate the unique benefits of group exercise in the health and fitness industry.

Course Requirements

- All EXMS courses must be passed with a letter grade of "C" or better.
- PE 280AR 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. HE 252 must be completed with a grade of "Pass" or "C -" or better.

	Fall
EXMS 194S Professional Activity: Strength Training and Conditioning	2
HE 252 First Aid	3
PE 280AR Co-op Ed: Aerobics	1
Total Credits	6
EXMS 194T Professional Activity: Techniques of Group	Winter
EXMS 194T Professional Activity: Techniques of Group Exercise Leadership	Winter 2
	Winter 2 2
Exercise Leadership	2

Fabrication/Welding Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree Fabrication/Welding Technology

One-Year Certificate of Completion Fabrication/Welding Technology

One-Year Certificate of Completion Welding Processes

Career Pathway Certificate of Completion Wire Drive Welder

Career Pathway Certificate of Completion Shielded Metal Arc Welder

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:

- use blueprint-reading skills, cost estimating, applied science of materials, and mathematics necessary to the profession.
- 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.
- · demonstrate and use industry safety standards.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- use mathematical formulas to calculate area, volume, and weight of metal objects.

Job Openings Projected through 2020

Lane County openings - 18 annually Statewide openings - 183 annually

Wages

Lane County average hourly - \$14.79; average annual - \$30,769 Oregon average hourly - \$16.58; average annual - \$34,479

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Total Estimate \$12,554

Fabrication/Welding Technology course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Licensing or Other Certification Exams Exams for Welder Qualification Certification - electric arc welding processes and forklift certification.

 college. A high school diploma or equivalent is recommended for all applicants to this program.

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 couselor/advisor). Contact advisor/counselor for assistance for winter and spring term entry, email AdvTechPrograms@lanecc.edu

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.
- 3. WR 115W 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.

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 Marv Clemons, Fabrication/Welding Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Fabrication/Welding

Two-Year Associate of Applied Science Degree/One-Year Certificate of Completion

First Year WLD 112 Fabrication/Welding 1 MTH 085 Applied Geometry for Technicians or	Fall 12
higher mathematics	4
Total Credits	16
WLD 113 Fabrication/Welding 2	Winter 12 3
Total Credits	15
WLD 114 Fabrication/Welding 3	Spring 12
Total Credits	15
Second Year WLD 215 Fabrication/Welding 4	Fall 12 3
Total Credits	18
WLD 216 Fabrication/Welding 5 PE/Health requirement	Winter 12 3 3
Total Credits	18

	Spring
WLD 217 Fabrication/Welding 6	12
Arts and Letters requirement	3
Welding elective	3
Total Credits	18

Fabrication Welding

One-Year Certificate of Completion

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 industry 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.

Gainful Employment Disclosure

Standard Occupational Classification: 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/51-2041.00
Or check on these O*Net Related Occupations:
Welders, Cutters, and Welder Fitters onetonline.org/link/summary/51-4121.06

How many students complete the Fabrication/Welding Technology 1-year Certificate?

Eight students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 6 positions Statewide: 64 positions

What wages are forecast for this occupation?

Lane County average hourly - \$19.69; average annual - \$40,953 Oregon average hourly - \$19.49; average annual - \$40,535

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$1,575
On-Campus room and board	Not offered
Total Estima	to \$7.200

What's included?

Program Costs: lanecc.edu/advtech/program-costs

What is the median loan debt incurred by students who completed the program in 2012?

completed the program in Eure.	
Federal Loans	Not disclosed
Institutional financing	Not disclosed
(For privacy reasons under FERPA, loan information	is not dis-
closed for programs with fewer than ten graduates.)

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 Marv Clemons, Fabrication/Welding Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

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.

	Fall
WLD 112 Fabrication/Welding 1	12
MTH 085 Applied Geometry for Technicians or	
higher mathematics	4
Total Credits	16
	Winter
WLD 113 Fabrication/Welding 2WR 115W Introduction to College Writing: Workplace	12
Emphasis or higher writing	3
Total Credits	15
	Spring
WLD 114 Fabrication/Welding 3	12
CG 203 Human Relations at Work	3
Total Credits	15

Welding Processes

One-Year Certificate of Completion Welding Processes

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 a 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.

Gainful Employment Disclosure

Standard Occupational Classification: 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/51-2041.00
Or check on these O*Net Related Occupations:
Welders, Cutters, and Welder Fitters onetonline.org/link/summary/51-4121.06

How many students complete the Welding Processes 1-year Certificate?

No students completed this certificate in academic year 2011-12.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 6 positions Statewide: 64 positions

What wages are forecast for this occupation?

Lane County average hourly - \$19.69; average annual - \$40,953 Oregon average hourly - \$19.49; average annual - \$40,535

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	
On-Campus room and boardNot	offered
Total Estimate	\$9.779

What's included?

Program Costs: lanecc.edu/advtech/program-costs

What is the median loan debt incurred by students who completed the program in 2012?

Wages Lane County average, \$16.93 hourly, \$35,210 annually. Statewide average \$17.71 hourly, \$36,829 average annually (\$45,000 annually for fabricators).

Licensing or Other Certification Exams Exams for Welder Qualification Certification - wire drive and arc welding processes.

Prerequisites Minimum placement score—of 68 in Reading OR completion of RD 080 OR prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Admission Information See lanecc.edu/advtech/at/admission-information or contact the Advanced Technology Division, AdvTechPrograms@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. In certain circumstances, Co-op experience may be substituted for major course work. Contact Marv Clemons, Fabrication/Welding Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Course Requirements

- 1. 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.

One-year Certificate MTH 085 Applied Geometry for Technicians or	Fall
higher mathematics	4
WLD 121 Shielded Metal Arc Welding 1	4
WLD 143 Wire Drive Welding 1	4
Total Credits	12
	Winter
CG 203 Human Relations at Work	3
WLD 122 Shielded Metal Arc Welding 2	4
WLD 154 Wire Drive Welding 2	4
Total Credits	11

	Spring
WLD 159 Wire Drive Welding 3	4
WLD 242 Gas Tungsten Arc Welding 1	3
WR 115W Introduction to College Writing: Workplace	
Emphasis or higher writing	3
Total Credits	10
	Fall
WLD 111 Blueprint Reading for Welders	3
WLD 160 Wire Drive Welding 4	4
WLD 256 Gas Tungsten Arc Welding 2	3
Total Credits	10
	Winter
WLD 257 Gas Tungsten Arc Welding 3	Winter 3
WLD 257 Gas Tungsten Arc Welding 3	
	3
Directed electives.	3 0-4
Directed electives	3 0-4
Directed electives	3 0-4 0-7
Directed electives. Total Credits Directed Electives: DRF 167 Cad 1	3 0-4 0-7 4
Directed electives	3 0-4 0-7 4 3
Directed electives	3 0-4 0-7 4 3 1-3
Directed electives	3 0-4 0-7 4 3 1-3

Wire Drive Welder

Career Pathway Certificate of Completion

Learning Outcomes The graduate will:

- read simple introductory blueprints, interpret and apply industrial welding symbols.
- 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.

MTH 085 Applied Geometry for Technicians or	
higher mathematics	4
Choice of:	4-12
WLD 143 Wire Drive Welding 1	
WLD 112 Fabrication/Welding 1	
Choice of:	4-12
WLD 154 Wire Drive Welding 2	
WLD 113 Fabrication/Welding 2	
Choice of:	3-12
WLD 140 Welder Qualification (Certification): Wire Drive	
WLD 216 Fabrication/Welding 5	
Total Credits	15-40

Shielded Metal Arc Welder

Career Pathway Certificate of Completion

Learning Outcomes The graduate will:

- read simple introductory blueprints, interpret and apply industrial welding symbols.
- 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.

MTH 085 Applied Geometry for Technicians or higher mathematics	4
Choice of:	4-12
WLD 121 Shielded Metal Arc Welding 1	
WLD 112 Fabrication/Welding 1	
Choice of:	4-12

WLD 122 Shielded Metal Arc Welding 2 WLD 113 Fabrication/Welding 2	
Choice of:	3-12
WLD 141 Welder Qualification (Cert): SMAW	
WLD 216 Fabrication/Welding 5	
Total Credits	15-40

Flight Technology

Offered by the Lane Aviation Academy, 541.463.4195

Two-Year Associate of Applied Science Degree

Purpose To prepare students for successful careers as pilots in the air transportation industry.

Learning Outcomes The graduate 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.

Graduates may also transfer to a four-year university preparing for a professional degree.

Job Openings Projected through 2020

- · Statewide openings 80 annually
- National openings 10,620 annually for commercial pilots, aircraft pilots and flight engineers, and airline pilots and copilots

Wages 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 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$14,230
Certificates, flight lab and instruction fees,	
including ground charges up to	\$45,000
FAA Knowledge Exams (five required for degree)	\$750
FAA Physical	\$250
Books	\$1800
Supplies	

Total up to \$62,330

Flight Technology course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Admissions Information An information packet may be requested by calling 541.463.4195, visiting the Flight Technology Department at 28715 Old Airport Road, Eugene OR 97402, or visiting our website at lanecc.edu/flight.

Program Endorsement The Federal Aviation Administration approves this program. 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.

Licenses under Part 141 Private Pilot Course – Airplane Single Engine Land (ASEL), Professional Pilot Course – Commercial and Instrument ASEL, Commercial ASEL, Instrument Pilot Course and Airline Transport Proficiency Course AMEL.

Advanced Certification Courses under Part 61 Private Pilot Airplane Multiengine (AMEL), Commercial Pilot AMEL, Flight Instructor Airplane Single Engine, Flight Instructor Instrument Airplane and Flight Instructor Airplane Multiengine.

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 Marv Clemons, Flight Technology Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, *clemonsm@lanecc.edu*

Note For FT 239 Professional Pilot Flight Lab a student must have a total of 39 Flight Lab credits to fulfill the AAS Degree requirement.

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All GS and FT courses (except FT 102 and FT 239) 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.
- 3. CS 120, FT 102, FT 239, MTH 095 and WR 121 must be completed with a grade of "Pass" or "C-" or better.
- 4. Choices for Arts and Letters and Human Relations requirements are listed on the Associate of Applied Science degree page.

Prerequisite Courses An applicant may complete the following courses prior to program entry.

Arts and Letters requirement	3 3
Total Credits	6
First Year	Fall
FT 102 General Aviation Careers	1
FT 103 Aircraft Development	4 3
FT 130 Primary Flight BriefingFT 239 Professional Pilot Flight Lab	6
FT 250 Private Pilot Ground School	5
Total Credits	19
	Winter
FT 239 Professional Pilot Flight Lab	6
GS 109 MeteorologyMTH 095 Intermediate Algebra or higher	5
mathematics	5
Total Credits	16
	Spring
WR 121 Composition: Introduction to Academic Writing or higher writing	4
FT 115 Aircraft Structures and Systems	3
FT 239 Professional Pilot Flight Lab	6
FT 251 Commercial Pilot Ground School	5
Total Credits	18

Second Year CS 120 Concepts of Computing or higher computer	Fall
science	4
FT 239 Professional Pilot Flight Lab	7
FT 252 Instrument Ground School	5
-	
Total Credits	16
	Winter
FT 239 Professional Pilot Flight Lab	7
FT 254 Aerodynamics	3
FT 256 Flight Instructor–Airplane Ground SchoolFT 280 Co-op Ed:	3
Flight Technology (optional)	(3)
Physical Education/Health requirement	3
Total Credits	16-19
	Spring
BA 254 General Aviation Management	3
FT 228 Multiengine Ground School	2
FT 239 Professional Pilot Flight LabFT 255 Fundamentals and Flight Instructor—	7
Instrument Ground School	3
Total Credits	15
Additional Ratings:	Credits
FT 239 ATP	1-6
FT 239 CFIA	1-6
FT 239 CFII	1-6
FT 239 MEI	1-4
FT 239 Multiengine	1-3

Geospatial Information Science and Technology

Offered by the Social Science Division, 541.463.5427

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion, Geographic Information Science

Purpose Prepares graduates for careers as GIS technicians who work in a variety of fields to collect, map, analyze, and manage spatial data. GIS technicians are employed by organizations involved in forestry and natural resource exploration, mapping companies, utility companies, research organizations, city government, public safety organizations, the military, health and human services organizations, and consulting firms (e.g. in environmental, engineering, forestry, surveying and marketing fields). GIS technicians help develop and manage spatial data (information related to location), use data to make decisions and mange resources, and create and update maps for use in reports and presentations.

Learning Outcomes The graduate will:

- collect and input data into a GIS system using: GPS, Digitizing, Geocoding.
- design and generate various cartographic products for planning or presentations.
- · understand and convert spatial data formats.
- · create, manage, and update spatial data.
- · manage information in a GIS database.
- · satellite image processing.
- perform routine data analysis buffer, query, union, intersect.
- · plan, design and manage mapping and analysis projects.

Job Openings Projected through 2020

Lane County openings - 4 annually Statewide openings - 48 annually

Wages

Lane County average hourly - \$22.58; average annual - \$46,962 Oregon average hourly - \$23.22; average annual - \$46,962

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,265
Other Course/Program Costs	\$490
Books and supplies	\$3,200

Total Estimate \$12,955

Geospatial Information Science and Technology course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Program Endorsement The National GeoTech Center – DelMar Community College

Cooperative Education (Co-op) Co-op is a required and important part of the Geospatial Information Science and Technology 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 GIST field. Three Co-op credits are required for the GIST degree program. Work schedules and work sites vary. Contact Lynn Songer, GIST Co-op Coordinator, CEN, Rm.420G, 541.463.5493, songerl@lanecc.edu

Program Lead Lynn Songer, CEN, Rm.420G, 541.463.5493, songerl@lanecc.edu

Prerequisites Students must qualify for MTH 060, either by placement testing or completing prerequisite courses, and by the fourth term, qualify to begin MTH 095. Each student should consult with a counselor or advisor to plan a program of study.

Directed Electives Students in the AAS degree program are required to complete 8 credits from the GIS Directed Electives list.

Course Requirements

- All required CS, GEOG, and DRF courses, and all GIS courses except GIS 280 and 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.
- See course descriptions for prerequisite and corequisite information.
- For choices in Arts and Letters and Social Science, see AAS degree description, page 44.

Geospatial Information Science and Technology

Two-Year Associate of Applied Science Degree

First Year	Fall
WR 121 Introduction to Academic Writing	4
BT 123 MS EXCEL for Business	4
CIS 125D Software Tools 1: Databases	4
GIS 151 Digital Earth	4
Total Credits	16
	Winter
DRE 167 CAD 1	1

	WR 227 Technical Writing	4
	GEOG 142 Introduction to Human GeographyGIS 245 GIS 1	4 4
	Total Credits	16
		Spring
	GEOG 141 Natural Environment	4
	SP 111 Fundamentals of Public Speaking	4 4
	Choice of:	3-4
	HE255 Global Health and Sustainability, or HE222 Consumer Health	34
	Total Credits	15-16
	Second Year	Fall
	GIS 249 Raster Analysis and Remote Sensing	4
	CS 133P Beginning Programming: Python	4
	Arts and Letters Elective	4
	Elective - Suggested Social science	4
	Total Credits	16
		Winter
	GIS Directed Electives	4
	MTH 111 College Algebra	5
	DRF 168 CAD 2	4
	Total Credits	13
		Spring
	GIS 260 Applications in GIS	4
	Arts and Letters Elective	4
	GIS 280 Co-op Ed: GIS Elective - Suggested Social Science	3 4
	-	
	Total Credits	15
	GIS Directed Electives	
	CIS 247 Information Analysis and Visualization	4
	GIS 250 Cartographic Design	4
	GIS 253 Emerging Trends in Geospatial Technology	4
	GIS 254 Spatial Data and ScriptingGIS 298 Independent Study: GIST	4 1-12
1	GIO 200 Macpellaem Stady. GIO I	1-12

Geographic Information Systems

Career Pathway Certificate of Completion

Purpose This sequence of courses provides a foundation in geospatial concepts while developing workforce skills. The focus on collaborative projects using real-world data to solve problems makes the GIS course sequence relevant and dynamic.

Learning Outcomes The graduate will:

- collect and input data into a GIS system using: GPS, Digitizing, Geocoding.
- design and generate various cartographic products for planning or presentations.
- create, manage, and update spatial data.
- manage information in a GIS database.
- perform routine data analysis-buffer, query, union, intersect.

Courses required GIS 151 Digital Earth GIS 245 GIS 1 GIS 246 GIS 2 GIS Directed Elective	4 4
Total Credits	16
GIS Directed Electives	
CIS 247 Information Analysis and Visualization	4
GIS 250 Cartographic Design	4
GIS 253 Emerging Trends in Geospatial Technology	4
GIS 254 Spatial Data and Scripting	4
GIS 298 Independent Study: GIST	1-12

Graphic Design

Offered by the Arts Division, 541.463.5409

Two-Year Associate of Applied Science Degree

Purpose To prepare graduates for entry-level positions in the fields of graphic and digital design

Learning Outcomes The graduate 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.

Job Openings Projected through 2020

Lane County openings - 11 annually

Statewide openings - 130 annually

Wages

Lane County average hourly - \$21.94; average annual - \$45,633 Oregon average hourly - \$19.28; average annual - \$40,102

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,006
Other Course/Program Costs	\$1,500

Total Credits \$10,506

Graphic Design course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Admission Information Open admission for first year. Limited admission for second year. See *lanecc.edu/mediaarts/graphicdesign/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

Program Contacts: Jefferson Goolsby, Bldg. 17, Rm. 105; Susan Lowdermilk, Bldg. 11, Rm. 112.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. CIS 195 and ART 280GD must be completed with a letter grade, not P/NP.
- 3. ART 200, CG 203, GD 110, MTH 060, MUL 218, WR 121, Science/Math/Computer Science Requirement, and Directed Electives 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. All other courses must be completed with a letter grade of "B" or better to satisfy prerequisite requirements.

Two-Year Associate of Applied Science Degree

Fall ART 131 Introduction to Drawing		
ART 131 Introduction to Drawing	First Year	Fall
ART 216 Digital Design Tools 4 ART 261 Photography 1 3 Choice of: 4 ART 115GD Basic Design Fundamentals (3 credits) or ART 115 Basic Design: Fundamentals (3 credits) and GD 110 Introduction to Graphic Design (1 credit) 14 Winter ART 119 Typography 1 3 ART 200 Graphic Design History 3 ART 225 Digital Illustration 3 CG 203 Human Relations at Work 3 Science/Math/Computer Science requirement 4 ART 231 Drawing: Intermediate 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 MWR 121 Introduction to Academic Writing 4 MUL 220 Intermediate Typography 3 ART 221 Graphic Design Production 1 3 ART 221 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 ART 222 Graphic Design Production 2 4 ART 228 Graphic Design Production 2 4		
ART 261 Photography 1		4
ART 115GD Basic Design Fundamentals (4 credits) or ART 115 Basic Design: Fundamentals (3 credits) and GD 110 Introduction to Graphic Design (1 credit) Total Credits		3
ART 115 Basic Design: Fundamentals (3 credits) and GD 110 Introduction to Graphic Design (1 credit) Total Credits		4
ART 119 Typography 1	ART 115GD Basic Design Fundamentals (4 credits) or	
ART 119 Typography 1	ART 115 Basic Design: Fundamentals (3 credits) and	
ART 119 Typography 1	GD 110 Introduction to Graphic Design (1 credit)	
ART 119 Typography 1	Total Credits	1/
ART 119 Typography 1 3 ART 200 Graphic Design History 3 ART 225 Digital Illustration 3 CG 203 Human Relations at Work 3 Science/Math/Computer Science requirement 4 Total Credits Spring ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 219 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 222 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design Production 2 4 ART 280 Web Production 3 Choice of: 3 ART 289 Web Production Activity requirement 4 Health requirement Total Credit	Total Credits	14
ART 200 Graphic Design History 3 ART 225 Digital Illustration 3 CG 203 Human Relations at Work 3 Science/Math/Computer Science requirement 4 Total Credits ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 219 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 222 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design Production 2 4 ART 289 Web Production 3 Choice of: 3 ART 289 Web Production Activity requirement 3 Health requirement Total Credits ART 229 Graphic Design Production 3 4 AR		Winter
ART 200 Graphic Design History 3 ART 225 Digital Illustration 3 CG 203 Human Relations at Work 3 Science/Math/Computer Science requirement 4 Total Credits ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 219 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 222 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design Production 2 4 ART 289 Web Production 3 Choice of: 3 ART 289 Web Production Activity requirement 3 Health requirement Total Credits ART 229 Graphic Design Production 3 4 AR	ART 119 Typography 1	3
ART 225 Digital Illustration 3 CG 203 Human Relations at Work 3 Science/Math/Computer Science requirement 4 Total Credits ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 WR 121 Introduction to Academic Writing 4 MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design Production 2 4 ART 280 GD Co-op Ed: Graphic Design 3 ART 280 Web Production 3 Choice of: 3 Physical Education Activity requirement Health requirement Total Credits ART 223 Graphic Design Production 3 4 ART 229 Graphic Design Production 3 4 ART 290 Design Concepts for the Web		3
Total Credits		3
Total Credits Spring	CG 203 Human Relations at Work	3
ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 WR 121 Introduction to Academic Writing 4 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter 4 ART 222 Graphic Design Production 2 4 ART 280 GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement Total Credits ART 223 Graphic Design Production 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 0	Science/Math/Computer Science requirement	4
ART 116 Basic Design: Color 3 ART 231 Drawing: Intermediate 3 MUL 218 Business Practices for Media Arts 2 MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 WR 121 Introduction to Academic Writing 4 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter 4 ART 222 Graphic Design Production 2 4 ART 280 GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement Total Credits ART 223 Graphic Design Production 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 0	Total Cradita	16
ART 116 Basic Design: Color	Total Credits	10
ART 116 Basic Design: Color		Spring
MUL 218 Business Practices for Media Arts. 2 MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 Choice of: 3 Physical Education Activity requirement 3 Health requirement Total Credits 17 Spring ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	ART 116 Basic Design: Color	
MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter 4 ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement Total Credits Total Credits 17 Spring ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	ART 231 Drawing: Intermediate	3
MUL 212 Digital Imaging 4 WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter 4 ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement Total Credits Total Credits 17 Spring ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	MUL 218 Business Practices for Media Arts	2
WR 121 Introduction to Academic Writing 4 Total Credits 16 Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement 17 Spring ART 223 Graphic Design Production 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4		4
Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement Health requirement Health requirement Total Credits ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	WR 121 Introduction to Academic Writing	4
Second Year Fall MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement Health requirement Health requirement Total Credits ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	Total Crodite	16
MUL 220 Intermediate Typography 3 ART 221 Graphic Design 1 4 ART 227 Graphic Design Production 1 3 CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits Winter ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement Health requirement Total Credits ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	Total Credits	10
ART 221 Graphic Design 1	Second Year	Fall
ART 227 Graphic Design Production 1	MUL 220 Intermediate Typography	3
CIS 195 Web Authoring 1 G 3 Directed elective 3 Total Credits Winter ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement Health requirement Health requirement Total Credits ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4		4
Directed elective 3 Total Credits 16 Winter ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 3 ART 289 Web Production 3 Choice of:		
Total Credits 16		
ART 222 Graphic Design 2	Directed elective	3
ART 222 Graphic Design 2	Total Credits	16
ART 222 Graphic Design 2 4 ART 228 Graphic Design Production 2 4 ART 280GD Co-op Ed: Graphic Design 3 ART 289 Web Production 3 Choice of: 3 Physical Education Activity requirement 4 Health requirement Total Credits 17 Spring ART 223 Graphic Design 3 4 ART 229 Graphic Design Production 3 4 ART 280GD Co-op Ed: Graphic Design 3 ART 290 Design Concepts for the Web 3 MTH 060 Beginning Algebra 4 or higher mathematics 4	.ctar or cano	
ART 228 Graphic Design Production 2		Winter
ART 280GD Co-op Ed: Graphic Design		4
ART 289 Web Production		
Choice of:		
Physical Education Activity requirement Health requirement Total Credits 17 Spring ART 223 Graphic Design 3		
Total Credits 17 Spring ART 223 Graphic Design 3		3
Total Credits 17 Spring ART 223 Graphic Design 3		
ART 223 Graphic Design 3	Health requirement	
ART 223 Graphic Design 3	Total Credits	17
ART 223 Graphic Design 3		
ART 229 Graphic Design Production 3		
ART 280GD Co-op Ed: Graphic Design	ADT 000 O II' D I O	
ART 290 Design Concepts for the Web		4
MTH 060 Beginning Algebra or higher mathematics	ART 229 Graphic Design Production 3	4
or higher mathematics 4	ART 229 Graphic Design Production 3 ART 280GD Co-op Ed: Graphic Design	4 4 3
	ART 229 Graphic Design Production 3ART 280GD Co-op Ed: Graphic DesignART 290 Design Concepts for the Web	4 4 3
T-+-1 C	ART 229 Graphic Design Production 3	4 4 3 3
Total Credits 18	ART 229 Graphic Design Production 3	3

Directed Electives

Any Art Class

Any Multimedia Class

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Health Records Technology

Offered by Health Professions Division, 541.463.5617

Two-Year Associate of General Studies

One-Year Certificate of Completion

Career Pathway Certificate of Completion:

Basic Health Care

Career Pathway Certificate of Completion: Medical Coding

Career Pathway Certificate of Completion:

Medical Transcription

Purpose Prepares graduates for entry level careers in medical records, health information management, medical billing, and medical transcription. Health Record 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 improving electronic health records (EHR) software usability

Learning Outcomes The graduate will:

- organize, input, process, analyze, secure, and distribute healthcare information.
- organize, analyze, and technically evaluate the health record content for completeness and accuracy.
- abstract health records and assign standardized codes to diagnoses and procedures for indexing health data, reporting needs, and processing claims for insurance reimbursement.
- answer legal, governmental, and insurance company inquiries, compiling statistical data.
- be involved in administration, reimbursement, quality assurance, utilization review, and risk management committees as a representative of the Health Information Management team.
- utilize library and valid internet resources for research, projects, and to maintain a level of expertise in his or her field of study.
- perform mathematical functions as necessary to prepare health data reports, transcribe clinic notes and/or physician dictation per regulatory requirements with accuracy and timeliness.
- transcribe clinic notes and/or physician dictation per regulatory requirements with accuracy and timeliness.

Job Openings Projected through 2020

Lane County openings - 14 annually

Statewide openings - 136 annually

Wages

Lane County average hourly - \$18.87; average annual - \$39,260 Oregon average hourly - \$18.18; average annual - \$37,824

AGS Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident tuition and fees	\$11,289
Books, supplies, program costs	\$2,700
Differential Fees*	\$345

Total Estimate \$14,334

Costs in addition to Tuition (estimates) See online credit class schedule for current course fees.

A physical examination, immunizations, and a CPR Certification for Health Professionals are required prior to admission in

Fall term. A background check, drug screen, and student health insurance is required the term the student registers for their HRT co-op class. Health Insurance can be obtained through the student health insurance (information available at the student health clinic) or other health insurance providers. (Cost variable based on individual circumstances.) Students should NOT begin processing any of these requirements until they have been accepted into the program and have received the specific instructions in their acceptance letter, or it could cause extra expenses.

Admission Information See the Counseling and Advising Center, e-mail HRTProgram@lanecc.edu or consult the HRT web site, lanecc.edu/hp/hrt/admissions-and-application

Cooperative Education (Co-op) Co-op is required for students admitted to the HRT Program. Students must successfully complete 3 credit hours (minimum) 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 contacts for the future. Work schedules and work sites vary. Students are required to complete a minimum of two terms of their program course work prior to registering for HRT Co-op. Contact the HRT Cooperative Coordinator, Chuck Fike, Bldg. 19, 541.463.5203.

Program Coordinator Shelley K. Williams, BA, RN, 541.463.5182, williamSSK@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All BT, CS, CIS, HO, HIM, HIT, MTH, SP, 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 grade of "C-."
- 3. Completion of BI 231, 232, and 233 with a "C" or better is an acceptable equivalent for HO 150 and HO152.
- Completion with a grade of "C" or better of 3-course series HIM 270, HIM 273, and HIM 275 may be substituted for HO 114 Introduction to Coding.

Associate of General Studies Degree

Prerequisites to Apply	Credits
Choice of:	3-4
BT 120 MS Word for Business	
CIS 101 Computer Fundamentals	
CS 120 Concepts of Computing: Info Processing	
HO 100 Medical Terminology 1	3
HO 110 Administrative Medical Office Procedures	3
Mathematics proficiency, choice of	3
MTH 052 Math for Physical Science or higher	
Credit by Exam for MTH 052, or higher	
or transcripted credits:	
AP (Calculus), or CLEP (College Algebra, or any Calculus	S,
or Statistics), or IB (Mathematics, or Math Studies, or Fu	ırther
Mathematics, or Statistics)	

First Year	Fall
HIT 104 Clinical Terminology	3
HIT 120 Introduction to Health Records	2
HO 150 Human Body Systems 1	3
HO 190 Medical Formatting	3
HIT 195 Medical Transcription 1	3
Total Credits	14

^{*} This is the total of all the differential fees attached to Health Records Technology courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

	Winter
HIT 196 Medical Transcription 2	3
HO 112 Medical Insurance Procedures	3
HO 152 Human Body Systems 2	3
HO 220 Legal and Ethical Aspects of Health Care	3
MTH 065 Elementary Algebra, or higher	4
Total Credits	16
	Spring
HO 114 Introduction to Coding	3
HIT 154 Introduction to Disease Processes	3
HIT 160 Practice Management	3
WR 121 Introduction to Academic Writing	4
Science/Math/Computer Science Requirement	4
Total Credits	17
Second Year	Fall
Choice of:	3-4
CIS 101 Computer Fundamentals CS 120 Concepts of Computing	
Social Science Requirement	3
Science/Math/Computer Science Requirement	4
WR 227 Technical Writing	4
Total Credits	14-15
DCV 201 Canaral Payabalany	Winter
PSY 201 General Psychology SOC 204 Introduction to Sociology	4
SP 218 Interpersonal Communication	4
Directed Elective	3
Total Credits	14
Total Greats	
0 1101	Spring
Social Science Requirement	3
Arts and Letters Requirement	3
PE Requirement	3
HE262 First Aid 2: Beyond the Basics	
HIT 280 Co-op Ed: Health Records	3
Total Credits	13
Directed Electives	
HIM 270 ICD Coding	4
HIM 273 CPT Coding 1	4
HIM 275 CPT Coding 2	4
HIT 197 Medical Transcription 3	3
HIT 222 Reimbursement Methodologies	3
HIT 280 Co-op Ed: Health Records HO 153 Intro to Pharmacology	3
HI 107 Working with IT Systems	3
HI 101 Intro to Public Health	3
HI 111 Networking and Health Info Exchange	3
	9

Health Records Technology

One-Year Certificate of Completion

Purpose Prepares graduates for entry level careers in medical records, health information management, medical billing, and medical transcription. Health Record 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 improving electronic health records (EHR) software usability

Learning Outcomes The graduate will:

- organize, input, process, analyze, secure, and distribute healthcare information.
- organize, analyze, and technically evaluate the health record content for completeness and accuracy.
- abstract health records and assign standardized codes to diagnoses and procedures for indexing health data, reporting needs, and processing claims for insurance reimbursement.
- answer legal, governmental, and insurance company inquiries, compiling statistical data.
- be involved in administration, reimbursement, quality assurance, utilization review, and risk management committees as a representative of the Health Information Management team.
- utilize library and valid internet resources for research, projects, and to maintain a level of expertise in his or her field of study.
- perform mathematical functions as necessary to prepare health data reports, transcribe clinic notes and/or physician dictation per regulatory requirements with accuracy and timeliness.

Gainful Employment Disclosure

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 onetonline.org/link/summary/43-9041.01

How many students complete the Health Records Technology 1-year Certificate?

Thirty-three students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Approximately 33 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 14 positions Statewide: 136 positions

What wages are forecast for this occupation?

Lane County average hourly - \$18.87; average annual - \$39,260 Oregon average hourly - \$18.18; average annual - \$37,824

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$7,239
Books, supplies, program costs	\$1,700
On-Campus room and boardNot	offered

Total Estimate \$8,939

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$3,145
Institutional financing	\$0

Admission Information See the Counseling and Advising Center, e-mail *HRTProgram@lanecc.edu* or consult the *HRT* web site, lanecc.edu/hp/hrt/admissions-and-application

Cooperative Education (Co-op) Co-op is required for students admitted to the HRT Program. Students must successfully complete 3 credit hours (minimum) 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 contacts for the future. Work schedules and work sites vary. Students are required to complete a minimum of two terms of their program course work prior to registering for HRT Co-op. Contact the HRT Cooperative Coordinator, Chuck Fike, Bldg. 19, 541.463.5203.

Program Coordinator Shelley K. Williams, RN, BA 541.463.5182, williamSSK@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All BT, CIS, HO, HIM, HIT, MTH, SP, 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 grade of "C-."
- 3. Completion of BI 231, 232, and 233 with a "C" or better is an acceptable equivalent for HO 150 and HO152.
- Completion with a grade of "C" or better of 3-course series HIM 270, HIM 273, and HIM 275 may be substituted for HO 114 Introduction to Coding.

Prerequisites to Apply	Credits
Choice of:	3-4
BT 120 MS Word for Business	
CIS 101 Computer Fundamentals	
CS 120 Concepts of Computing: Info Processing	
HO 100 Medical Terminology 1	3
HO 110 Administrative Medical Office Procedures	3
Mathematics proficiency, choice of	3
MTH 52 Math for Physical Science or higher	
Credit by Exam for MTH 052, or higher or transcripted cre	edits:
AP (Calculus), or CLEP (College Algebra, or any Calculus	s,
or Statistics), or IB (Mathematics, or Math Studies, or Fu	rther
Mathematics, or Statistics)	

·	
One-Year Certificate of Completion	Fall
HIT 120 Introduction to Health Records	2
HO 114 Introduction to Coding	3
HO 150 Human Body Systems 1	3
HO 190 Medical Formatting	3
HIT 195 Medical Transcription 1	3
Directed Elective	3
Total Credits	17

Total Prerequisite Credits

12-13

Total Credits	17
	Winter
SP 218 Interpersonal Communication	4
Choice of:	3-4
CIS 101 Computer Fundamentals	
CS 120 Concepts of Computing	
HIT 196 Medical Transcription 2	3
HO 112 Medical Insurance Procedures	3
HO 152 Human Body Systems 2	3
HO 220 Legal and Ethical Aspects of Health Care	3
Total Credits	19-20
	Spring

	Spring
HIT 104 Clinical Terminology	3
HIT 154 Introduction to Disease Processes	3
HIT 160 Practice Management	3
WR 121 Introduction to Academic Writing	4
SOC 204 Introduction to Sociology	3
(or other course fulfilling AAS Human Relations requirem	ient)
HIT 280 Co-op Ed: Health Records	3
Total Credits	19

CIS 125D Software Tools 1: Databases

Directed Electives

HI 101 Intro to Public Health	3
HI 107 Working with IT Systems	3
HI 111 Networking & Health Info Exchange	3
HIM 270 ICD Coding	4
HIM 273 CPT Coding 1	4
HIM 275 CPT Coding 2	4
HIT 197 Medical Transcription 3	3
HIT 222 Reimbursement Methodologies	3
HIT 280 Co-op Ed: Health Records	3-6
HO 153 Intro to Pharmacology	3

Basic Health Care

Career Pathway Certificate of Completion

Purpose 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:

- practice responsible and confidential communications.
- apply an understanding of health care laws and ethics that 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.
- recognize the scope of work the graduate is legally allowed to perform with his or her level of training.

Admissions There is no application requirement for this certificate.

Course Requirements

- Prerequisites may be required for some courses. See course descriptions.
- 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.
- 3. Completion of BI 231, 232, and 233 with a "C" or better is an acceptable equivalent for HO 150 and HO152.

	Fall
MTH 052 Math for Physical Science or higher	3-4
HO 100 Medical Terminology 1	3
HO 110 Administrative Medical Office Procedures	3
HO 150 Human Body Systems 1	3
Total Credits	12-13

CIS 101 Computer Fundamentals
CS 120 Concepts of Computing: Info Processing

HO 152 Human Body Systems 2	3
WR 121 Introduction to Academic Writing	4
Total Credits	10-11

Medical Coding

Career Pathway Certificate of Completion

Purpose 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 graduate will:

- · practice responsible and confidential communications.
- translate diagnostic and procedural phrases utilized by health care providers into coded form.
- interact with the health care provider to ensure that the terms have been translated accurately.
- utilize coded information 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.
- · understand the content of medical records.
- · locate information to support or provide specificity for coding.
- demonstrate knowledge of anatomy and physiology of the human body and disease processes.
- demonstrate understanding of the etiology, pathology, symptoms, signs, diagnostic studies, treatment modalities, and prognosis of diseases and procedures to be coded.

Wages Beginning pay for medical coding specialists will range from \$12 - \$18.50 per hour.

Admission Information Application and admission into the Health Records Technology Program is required. Admission and Application information is found on the web at: lanecc .edu/hp/hrt/.

Cooperative Education (Co-op) Co-op is required for students admitted to the HRT Program. Students must successfully complete 3 credit hours (minimum) 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 contacts for the future. Work schedules and work sites vary. Students are required to complete a minimum of two terms of their program course work prior to registering for HRT Co-op. Contact the HRT Cooperative Coordinator, Chuck Fike, Bldg. 19, 541.463.5203.

Counseling and Advising For assistance in meeting program or application requirements, please go to Counseling and Advising in building 1, room 103 or e-mail HRTProgram@lanecc.edu

Program Coordinator: Shelley K. Williams, RN, BA. 541.463.5182, williamSSK@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All BT, CIS, HO, HIM, HIT, MTH, SP, 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 grade of "C-."
- 3. Completion of BI 231, 232, and 233 with a "C" or better is an acceptable equivalent for HO 150 and HO152.

Choice of:
CIS 101 Computer Fundamentals
CS 120 Concepts of Computing: Info Processing
HO 100 Medical Terminology 1
HO 110 Administrative Medical Office Procedures 3
Mathematics proficiency, choice of
MTH 052 Math for Physical Science or higher
Credit by Exam for MTH 052, 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)
Widthernatics, or Statistics)
Total Prerequisite Credits 12-13
Fall
HIM 270 ICD Coding 4
HIT 120 Introduction to Health Records
HO 112 Medical Insurance Procedures
HO 150 Human Body Systems
Total Credits 12
Winter
HIM 273 CPT Coding 1
HO 152 Human Body Systems 2
HO 153 Introduction to Pharmacology
HO 220 Legal and Ethical Aspects of Health Care
Total Credits 13
Total Credits 13
Spring
HIM 275 CPT Coding 2 4
HIT 154 Introduction to Disease Processes
HIT 222 Reimbursement Methodologies
HIT 280 Co-op Ed: Health Records
HIT 195 Medical Transcription 1
Total Credits 16

Medical Transcription

Career Pathway Certificate of Completion

Medical transcriptionists are language specialists who transcribe dictation by physicians and other healthcare providers in order to document patient care. Important personal and professional characteristics of the medical transcriptionist include:

- · desiring a professional career in medicine
- · enjoyment in learning something new everyday
- · having above-average skills in spelling and grammar
- · enjoyment of typing and transcribing
- · working independently
- · being concerned about quality and excellence

· using designated professional reference materials.

Medical transcriptionists work in a variety of settings, including medical clinics, doctors' offices, hospitals, private transcription businesses, and home offices. Some transcriptionists become supervisors, managers, and teachers, while others establish their own transcription companies.

Learning Outcomes The graduate will:

- · demonstrate knowledge of medical terminology.
- demonstrate knowledge of anatomy and physiology, disease processes, signs and symptoms, medications, and laboratory values.
- demonstrate knowledge of clinical specialty (or specialties) as appropriate.
- demonstrate skill with standard medical transcription guidelines and practices.
- demonstrate skill in English usage, grammar, punctuation, style, and editing.
- provide a high level of quality and security of patient health information (PHI)
- demonstrate detailed knowledge of HIPAA,
- · demonstrate a commitment to excellence.

Wages Average pay in Oregon in 2009 is approximately \$14.64 per hour.

Costs in Addition to Tuition (estimate) - Subject to change without notice.

Admission Information Application and admission into the Health Records Technology Program is required. Admission and Application information is found on the web at: lanecc.edu/hp/hrt/

Cooperative Education (Co-op) Co-op is a directed elective for the HRT Program. 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. Contact the Cooperative Education department, Bldg. 19, 541.463.5203.

Counseling and Advising For Counseling and Advising assistance in meeting program or application requirements, please go to Counseling and Advising in building 1, room 103 or e-mail HRTProgram@lanecc.edu

Program Coordinator: Shelley K. Williams, RN, BA, 541.463.5182, williamSSK@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All BT, CIS, HO, HIM, HIT, MTH, SP, 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 grade of "C-."
- Completion of BI 231, 232, and 233 with a "C" or better is an acceptable equivalent for HO 150 and HO152.
- Completion of series HIM 270, HIM 273, and HIM 275 may be substituted for HO 114 Introduction to Coding.
- Total of 6 credits of HIT 197 Medical Transcription 3 is required for certificate.

CIS 101 Computer Fundamentals CS 120 Concepts of Computing: Info Processing HO 100 Medical Terminology 1	
Total Prerequisite Credits	12-13
HIT 120 Introduction to Health Records HO 150 Human Body Systems 1 HO 190 Medical Formatting HIT 195 Medical Transcription 1 HIT 104 Clinical Terminology Total Credits	Fall 2 3 3 3 3 3 14
HIT 196 Medical Transcription 2	Winter 3 3 3 3 12
HIT 280 Co-op Ed: Health Records	Spring 3 3 3 3

Choice of:

Credits

3-4

Prerequisites to Apply

BT 120 MS Word for Business

Hospitality Management

Offered by Culinary Arts and Hospitality Management, 541.463.3503

HIT 197 Medical Transcription 3

Total Credits

12

Summer

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion, Meeting, Convention, and Special Events Manager

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 Hospitality Management students will have opportunities for challenging and rewarding careers that can take them around the world if they so choose.

Learning Outcomes The Hospitality Management Program graduate will:

- Explore careers in the Hospitality Industry.
- · demonstrate job search and interviewing skills.
- develop employability skills required for the Hospitality Management Industry.
- demonstrate technological literacy to support the Hospitality Management Industry.
- apply problem solving and decision making processes to Hospitality Management situations.

- practice effective communication skills for the Hospitality Management workplace.
- practice customer service skills required in Hospitality Management.
- review financial records and accounts applicable to Hospitality Management operations.
- explore the legal and ethical environment of the Hospitality Management industry.
- understand economic principles of the Hospitality Management industry.
- understand safe working habits for the Hospitality Management industry.
- participate in Hospitality Management work-based learning experiences.
- demonstrate oral communication skills required in Hospitality Management.
- understand and demonstrate business and financial management.
- evaluate leadership styles appropriate for the Hospitality workplace.
- · explain basic hotel departments and functions.
- determine appropriate guest service strategies within the Hospitality industry.
- · characterize supervisory and management functions.
- · summarize management practices for the food industry.
- understand appropriate environmental function and sustainable standard operating procedures.
- · understand marketing skills needed in the Hospitality industry.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,917
Hospitality Management Books	\$929
Hospitality Management Fees	\$640

Total Estimate \$10,486

Hospitality Management course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Hotel, Motel and Resort Desk Clerk

Job Openings Projected through 2020

Lane County openings - 11 annually Statewide openings - 192 annually

Wages

Lane County average hourly - \$10.44; average annual - \$21,719 Oregon average hourly - \$10.94; average annual - \$22,757

Tour Guides and Escorts

Job Openings Projected through 2020

Lane County openings - 4annually Statewide openings - 35 annually

Wages

Lane County average hourly - \$11.82; average annual - \$24,577 Oregon average hourly - \$11.11; average annual - \$23,098

Lodging Managers

Job Openings Projected through 2020

Lane County openings - 3 annually Statewide openings - 34 annually

Wages

Lane County average hourly - \$20.57; average annual - \$42,793 Oregon average hourly - \$23.81; average annual - \$49,512

Meeting and Convention Planners

Job Openings Projected through 2020

Lane County openings - 2 annually Statewide openings - 27 annually

Wages

Lane County average hourly - \$19.28; average annual - \$40,097 Oregon average hourly - \$21.14; average annual - \$43,958

Accreditation The two-year AAS degree program is 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).

Licensing or Other Certification Exams Students completing certain classes that comply with the American Hotel and Lodging Association (AHLA) or National Restaurant Association Education Foundation (NRAEF) may receive Certificates of Completion from these organizations. During the course of the program, students may earn a National Restaurant Association Education Foundation (NRAEF) Serv-Safe Certification as well as other NRAEF Certificate examinations for various courses.

Prerequisites Must be a credit-level student. Students are strongly advised to enter fall term. Complete college placement tests with the following minimum scores: writing-64, reading-68 and readiness for MTH 025 – taking Math Placement Test Parts A, B and C – 7 out of 10 in each part, and attach copies of test score sheets to application. Students with prior college credit, must attach a copy of transcript(s), and are highly recommended to take the Placement tests and attaching those scores as well. Math must be current within one year or a placement test will need to be taken. A Lane County Food Handlers Card is required for entry into the program.

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hospitality Management office, Building 19, Room 202 or online at lanecc.edu/culinary. Or email: CulinaryHosp Programs@lanecc.edu

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

Program Contact Wendy Milbrat, Administrative Support Specialist, 541.463.3503, *milbratw@lanecc.edu*; or email: Culinary HospPrograms@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 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.
- 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.

- 4. HRTM 105, HRTM 106, CA 159, and CA 200 may be taken fall, winter, and/or spring terms to complete first year of program.
- 5. Students may take Cooperative Education in any term approved by the coordinator.
- Cooperative Education can be substituted for one term of HRTM 225 Banquet Operations.
- General Education courses may be completed at any time, including prior to program entry. Choices are listed on the Associate of Applied Science degree page.
- 8. 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.

General Education Requirements Mathematics (MTH 025 or higher) Science/Math/Computer Science 3 Arts and Letters requirement Human Relations Requirement 3 Choice of:.... Social Science or Science/Math/Computer Science or Arts and Letters requirement 3 Writing requirement Physical Education or Health 3 **Total Credits** 21 Fall CA 159 Kitchen Fundamentals CA 175 Foodservice Sanitation and Safety 2 CA 200 Menu Management HRTM 105 Restaurant Operations HRTM 106 Introduction to Hospitality Management 3 2 HRTM 225 Banquet Operations **Total Credits** Winter HRTM 110 Hospitality Sales and Marketing 3 HRTM 140 Hospitality Law and Security 3 HRTM 220 Sustainability in the Hospitality Industry........ 2 HRTM 225 Banquet Operations 2 General Education Requirement..... 3 13 **Total Credits Spring** HRTM 225 Banquet Operations Directed Electives 8 General Education Requirements 6 16 Summer HRTM 280 Co-op Ed: Hospitality Management 7-8 **Total Credits** 7-8 Fall HRTM 230 Hotel Operations 1 3 HRTM 260 Hospitality Human Resources and Supervision 3 HRTM 265 Hospitality Financials 1 3 General Education Requirement..... 3 Directed Electives **Total Credits** 16-18 Winter HRTM 231 Hotel Operations 2 3 HRTM 275 Hospitality Financials 2 3 HRTM 292 Dining Room and Kitchen Lab 2

General Education Requirement.....

	Spring
HRTM 205 Managing the Restaurant Operation	3
HRTM 286 Bar and Beverage Management	3
HRTM 290 Hospitality Leadership	3
HRTM 292 Dining Room and Kitchen Lab	2
General Education Requirement	3
Total Credits	14
Directed Electives	
BA 101 Introduction to Business	4
BA 223 Marketing	4
BA 224 Human Resource Management	4
BA 278 Leadership and Team Dynamics	4
BT 163 QuickBooks	3
BT 123 MS Excel for Business	3
BT 122 MS PowerPoint for Business	3
BT 120 MS Word for Business	3
BT 165 Introduction to Accounting Cycle	4
BT 180 Business Proofreading and Editing	4
CA 110 Guest Chef Series	2
CA 130 Oregon Wine Country	2
CA 176 Concepts of Taste and Flavor	2
CS 120 Concepts of Computing: Information Processing	4
ES 102 Contemporary Racial and Ethnic Issues	4
FN 105 Nutrition for Foodservice Professionals	3
FN 110 Personal Nutrition	3
FN 235 Managing Food and Nutrition Services	3
GEOG 201 World Regional Geography	3
HRTM 100 Introduction to Culinary Arts	_
and Hospitality Management	3
HRTM 104 Introduction to Travel and Tourism	3
HRTM 109 Principles of Meeting and	
Convention Management	3
HRTM 209 Advanced Principles of Meeting and	0
Convention Management	3
HRTM 281 Restaurant Ownership	3
PHL 201 Ethics	4
	4
SP 130 Business and Professional Speech	4
SUST 101 Introduction to Sustainability	3 4
Whitz i introduction to Academic writing	4

Meeting, Convention, and Special Events Manager

Career Pathway Certificate of Completion

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 Hospitality Management.

Learning Outcomes The graduate will:

6

14

Total Credits

- explore careers in the Hospitality industry.
- · demonstrate job search and interviewing skills.
- demonstrate technological literacy to support the Hospitality Management Industry.
- practice customer service skills required in Hospitality Management.
- review financial records and accounts applicable to Hospitality Management operations.
- explore the legal and ethical environment of the Hospitality Management industry.
- understand economic principles of the Hospitality Management industry.
- understand safe working habits for the Hospitality Management industry.
- understand and demonstrate business and financial management.

- evaluate leadership styles appropriate for the Hospitality workplace.
- · explain basic hotel departments and functions.
- determine appropriate guest service strategies within the Hospitality industry.
- · characterize supervisory and management functions.
- · summarize management practices for the food industry.
- · understand marketing skills needed in the Hospitality industry.
- provide effective student learning and expansion of knowledge in the field of event management.
- provide study of Sustainability principles in the industry focused on meetings, conventions, and special events.

Admission Information A separate application to the program is required. Admission information is available from the Culinary Arts and Hospitality Management office, Building 19, Room 202 or online at lanecc.edu/culinary. Or email: CulinaryHosp-Programs@lanecc.edu

	Fall
HRTM 106 Introduction to Hospitality Management HRTM 109 Principles of Meeting and	3
Convention Management	3
HRTM 225 Banquet Operations	2
HRTM 230 Hotel Operations 1 HRTM 260 Hospitality Human Resources and	3
Supervision	3
Total Credits	14
	Winter
HRTM 110 Hospitality Sales and Marketing	3
HRTM 225 Banquet Operations	2
HRTM 231 Hotel Operations 2	3
HRTM 280 Co-op Ed: Hospitality Management	2
Total Credits	10
HRTM 209 Advanced Principles of Meeting,	Spring
Convention, and Special Event Management	3
HRTM 225 Banquet Operations	2
HRTM 280 Co-op Ed: Hospitality Management	2
Total Credits	7
5	Summer
HRTM 280 Co-op Ed: Hospitality Management	4
Total Credits	4

Human Services

Offered by the Social Science Department, 541.463.5427

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion, Adult Development and Aging

Purpose Human service workers are trained to 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. Human service workers are employed in diverse settings, serving children, adolescents, families, and adults. For example, human service workers can be found staffing crisis lines; 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; counseling and case managing individuals experiencing addiction; and advocating for victims of

domestic or sexual violence. Coursework includes classes that meet basic requirements for Oregon state certification for chemical dependency counselors. Lane Community College's Human Services Program prepares students for entry-level employment in public and private non-profit agencies. Most human services careers require a criminal background check.

Learning Outcomes The graduate will:

- · be able to communicate effectively with others.
- develop the competency required to work with people from diverse backgrounds.
- assess an individual or a family's needs.
- develop a plan of action using client's strengths, and link people with community resources.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- formulate questions that can be addressed with data and collect, organize and display relevant data to answer them.
- · understand and apply evidence-based practices.

Job Openings Projected through 2020 Social and Human Service Assistants

Lane County openings - 32 annually Statewide openings - 271 annually

Wages

Lane County average hourly - \$13.39; average annual - \$27,861 Oregon average hourly - \$14.44; average annual - \$30,021

Job Openings Projected through 2020 Substance Abuse and Behavioral Disorder Counselors

Lane County openings - 8 annually

Statewide openings - 100 annually

Lane County average hourly - \$16.86; average annual - \$35,057 Oregon average hourly - \$20.99; average annual - \$43,652

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,255
Books and supplies	\$3,200

Total Estimate \$12,455

Human Services course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Admission Information Social Science Division 541.463.5427

Academic Advising Resource Moodle site: academicadvising. lanecc.edu/course/view.php?id=30

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. Contact Garry Oldham, Human Services Co-op Ed Coordinator, Center Bldg., Rm. 410G, 541.463.5194, oldhamg@lanecc.edu

Course Requirements

- All required CG, DRF, and Directed electives courses, and all HS courses except HS 266 must be taken for a letter grade, not P/ NP, and must be passed with a "C-" or better to fulfill program requirements.
- See course descriptions for prerequisite and corequisite information.
- 3. A total of 18 credits of CG 280HS Cooperative Education: Human Services must be completed.

- 4. HS 155 Interviewing Theory and Techniques must be completed prior to enrollment in HS 224 or 232 (on the directed elective list).
- Courses with WR, SP, ANTH, PSY prefixes and all Science/Math, Computer Science courses are transferable and may be applicable to an AAOT degree.
- For choices in Science, Math, and Computer Science, see AAOT degree description, page 38.

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
CG 280HS Co-op Ed: Human Service	3
WR 121 Introduction to Academic Writing	4
Total Credits	16
	Winter
HS 155 Interviewing Theory and Techniques	3
MTH 025 Basic Mathematics Applications or higher CG 280HS Co-op Ed: Human Service	3 3
WR 122 Composition: Argument, Style and	3
Research	4
Choice of:	4
SP 100 Basic Communication	
SP 111 Fundamentals of Public Speaking SP 112 Persuasive Speech	
SP 130 Business and Professional Speech	
SP 218 Interpersonal Communication	
Total Credits	17
	Spring
ANTH 103 Cultural Anthropology	4
CG 280HS Co-op Ed: Human Service	3
HS 231 Advanced Interviewing and Counseling	3
HS 265 Casework Interviewing Directed Elective	3 4
-	
Total Credits	17
Second Year	Fall
CG 280HS Co-op Ed: Human Service HS102 Psychopharmacology	3 4
HS 266 Case Management in Human Services	3
Directed Elective	4
PSY 201 General Psychology	4
Total Credits	18
	Winter
HS 267 Cultural Competence in Human Services	3
Directed Elective	2-4 4
PSY 202 General PsychologyCG 280HS Co-op Ed: Human Service	3
Science/Math/Computer Science requirement	3
Total Credits	15-17
	Spring
CG 280HS Co-op Ed: Human Service	3
Choice of:	3
HE 209 Human Sexuality	
HE 250 Personal Health HE 252 First Aid	
HE 255 Global Health	
HE 275 Lifetime Health and Fitness	
HS 224 Group Counseling	3
HS 232 Cognitive-Behavioral Strategies	3 4
-	
Total Credits	16

Directed electives

Students are required to take 9 credit hours in electives. Directed electives courses must be taken for a letter grade, not

P/NP, and must be passed with a "C-" or better to fulfill program requirements.

HS 107 Aging: A Social and Developmental Perspective

HS 151 Issues In Assessing and Treating the Problem Gambler

HS 158 Trauma: Theory to Practice

HS 205 Youth Addiction

HS 206The Criminal Addict: Issues and Interventions

HS 209 Crisis Intervention and Prevention

HS 221 Co-occurring Disorders

HS 222 Best Practices in Human Services

HS 220 Prevention I: Preventing Substance Abuse and other Social Problems

HS 228 HIV/AIDS and other Infectious Diseases

HS 229 Grief and Loss Across the Lifespan

HS 235 The Aging Mind

CG 280HS Co-op Ed: Human Service

Adult Development and Aging

Career Pathway Certificate of Completion

Purpose This program prepares students to assist mature and elderly adults in a variety of settings.

Learning Outcomes The graduate will:

- · be able to communicate effectively with others.
- develop the competency required to work with people from diverse backgrounds.
- · assess an individual or a family's needs.
- describe the aging process and the impact of aging on an individual's intellectual, social, cultural and spiritual life.
- explain the diversity of experiences, and challenges, found amongst the aging population.
- demonstrate skills for effectively interacting with mature and elderly adults.

Employment Trends The U.S. Bureau of Labor Statistics projects a 35 percent increase in gerontology-related jobs by 2014.

Historically, these careers have been primarily in healthcare settings. While demand for people to work in health care continues to remain high, opportunities to assist individuals and their families access social services to maintain their health and independence is expected to grow substantially. Additionally, as the general population ages, the nation's workforce will benefit from knowledge about aging and how to meet the needs of this diverse population of older Americans.

Wages In Lane County, wages range from \$9 to \$20 an hour with an average annual salary of \$28,382 (Oregon Employment Division)

Costs in Addition to Tuition (estimate) - Subject to change without notice.

Admission Information Social Science Division, 541.463.5427

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. Contact Garry Oldham, Human Services Co-op Coordinator, Center Bldg., Rm. 410G, 541.463.5194, oldhamg@lanecc.edu

Course Requirements

 All courses must be taken for a letter grade, not P/NP, and must be passed with a "C-" or better to fulfill program requirements. See course descriptions for prerequisite and corequisite information.

	Credits
HS 107 Aging: A Social and	
Developmental Perspective	3
HS 229 Grief and Loss Across the Lifespan	3
HS 235 The Aging Mind	3
CG 280HS Co-op Ed: Human Service	3
(with a focus on aging)	
Total Credits	12

Human Services: Criminal Justice

Offered by the Social Science Division, 541.463.5427

Two-Year Associate of Applied Science Degree

Purpose To offer men and women preparation for career employment in police, 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 graduate will:

- · express a thorough knowledge of the criminal justice system.
- 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.
- understand the importance of inter-disciplines and the need for a well-rounded education in public safety.
- qualify for education requirements for entry-level public safety
- use appropriate library and information resources to research professional issues and support lifelong learning.
- formulate questions that can be addressed with data and collect, organize and display relevant data to answer them.

Job Openings Projected through 2020

Lane County openings - 3 annually

Statewide openings - 58 annually

Wages

Oregon average hourly - \$25.13; average annual - \$52,270 Lane County average hourly - \$25.73; average annual - \$53,530

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Total Estimate \$12,939

Human Services: Criminal Justice course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Cooperative Education (Co-op) Co-op provides opportunities for field experience with various local public safety agencies including local police, sheriffs, corrections, court services, and commercial security organizations. Students may participate on a full or part-time basis. Contact John del Nero, Criminal Justice Co-op Coordinator, Center Bldg., Rm. 419E, 541.463.5286, delneroj@lanecc.edu

Admission Information Social Science Division, John delNero, Program Coordinator, 541.463.5286, delneroj@lanecc.edu

- 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.
- PSY, SOC, and WR courses must be completed with a letter grade.
- 4. Courses that satisfy transfer general education requirements are recommended: BI, BOT, Z, CH, G, GS, PH
- 5. Directed electives (choose 6 credits total)

CJA 201 Juvenile Delinquency	3 credits
CJA 210 Criminal Investigation 1	3 credits
CJA 214 Introduction to Forensic Science	4 credits
CJA 232 Correctional Casework	3 credits
CJA 243 Narcotics and Dangerous Drugs	3 credits
SOC 211 Social Deviance	3 credits

- 6. CJA 214 Introduction to Forensic Science can be used to meet Directed Elective or Biological/Physical Science Elective.
- 7. CH 114 Forensic Chemistry can satisfy the Biological or Physical Science requirement

cal Science requirement	
First Year	Fall
CJA 100 Introduction to Criminal Justice 1	3
Directed elective	3
SOC 204 Introduction to Sociology	3 4
SP 105 Listening and Critical Thinking	4
Academic Writing	4
Total Credits	17
Total Ground	
	Winter
Arts and Letters elective	3
SOC 205 Social Stratification and Social Systems	3
SP 100 Basic Communication	4
WR 122 Composition: Argument, Style and Research	4
Total Credits	17
	Spring
CJA 101 Introduction to Criminology	3
CS 120 Concepts of Computing: Information Processing	
or higher computer science course	4
SOC 206 Institutions and Social Change	3
Choice of:HE 250 Personal Health	3
HE 252 First Aid	
HE 275 Lifetime Health and Fitness	
Total Credits	13
Second Year	Fall
Biological or Physical Science requirement	3-4 3
CJA 220 Introduction to Criminal Law	3
PS 201 American Government and Politics	3
Choice of:	4
PHL 201 Introduction to Philosophy: Ethics	
PHL 205 Contemporary Moral Issues	
ANTH 103 Cultural Anthropology	
Total Credits	16-17
	Winter
Biological or Physical Science elective	4-5
CJA 222 Criminal Law: Procedural Issues	3
CJA 280 Co-op Ed: Criminal Justice	3
Directed elective	3

PS 202 State and Local Government and Politics.....

Total Credits

16-17

	Spring
MTH 095 Intermediate Algebra or higher	5
CJA 280 Co-op Ed: Criminal Justice	
PS 203 American Government	3
PSY 203 General Psychology	4
Arts and Letters elective	3
Total Credits	18

Human Services: Juvenile Corrections

Offered by the Social Science Division, 541.463.5427

Two-Year Associate of General Studies

One-Year Certificate of Completion

Purpose To train individuals to work directly with juvenile offenders in various settings, including Oregon Youth Authority, as well as other public, private, and non-profit agencies/programs.

Learning Outcomes The graduate 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.

Employment Trends There had been a decline in juvenile crime during the late 1990's, but that trend tends to be shifting. The resurgence of youth gangs since the year 2000 has reflected an increase in gang homicides and other criminal activity. Nearly all juvenile correction facilities are filled to capacity, necessitating more correctional facilities and the demand for more juvenile corrections personnel. This certificate meets the minimum level pre-employment requirement for the Oregon Youth Authority.

Wages Beginning wage for a Group Life Coordinator II is approximately \$2,851-\$4,141 monthly, but salary and benefit packages vary greatly depending on the employing agency and geographical location.

Admission Information Social Science Division, John delNero, Program Coordinator, 541.463.5286, delneroj@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 John del Nero, Juvenile Corrections Co-op Coordinator, 541.463.5286, delneroj@lanecc.edu

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. All CJA, HS, PSY, and SOC courses must be completed with a letter grade of "C" or better to satisfy program requirements.
- 3. WR courses must be completed with a letter grade.

Two-Year Associate of General Studies

First Year	Fall
HE 252 First Aid	3
HS 206 Counseling the Criminal Addict	3

MTH 060 Beginning Algebra or higherWR 121 Introduction to Academic Writing	
Total Cred	dits 14
Arts and Letters Requirement	3 3
Total Cred	
	Spring
CJA 101 Introduction to Criminology HS 209 Crisis Intervention and Prevention Science/Math/Computer Science Requirement SOC 225 Social Problems	3 4
Total Cred	dits 13
Second Year Arts and Letters Requirement	4 4 4
PSY 202 General Psychology PSY 215 Lifespan Development CS 120 Concepts of Computing: Information Processing	3 4 4
Science/Math/Computer Science Requirement Total Cred	
	Spring
PSY 203 General Psychology	3 3 4 3
Total Cred	dits 17

Human Services: Juvenile Corrections

One-Year Certificate of Completion

Gainful Employment Disclosure

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

How many students complete the Human Services: Juvenile Corrections 1-year Certificate?

One student completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students? Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 1 positions Statewide: 103 positions

What wages are forecast for this occupation?

Lane County average hourly - \$29.83; average annual - \$62,040 Oregon average hourly - \$24.75; average annual - \$51,474

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students

attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.) $\begin{tabular}{ll} \hline \end{tabular}$

Resident tuition and fees	\$4,829
Books, supplies, program costs	\$1,600
On-Campus room and board Not	offered

Total Estimate \$6,429

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	Not disclosed
Institutional financing	Not disclosed
(For privacy reasons under FERPA, loan information	is not dis-
closed for programs with fewer than ten graduates.))

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.
- 3. WR courses must be completed with a letter grade.
- 4. MTH 095 is recommended for students going on to complete the 2-yr AAS degree in Criminal Justice.

	Fall
HS 206 Counseling the Criminal Addict	3
MTH 060 Beginning Algebra or higher	4
PSY 201 General Psychology	4
SOC 225 Social Problems	3
WR 121 Introduction to Academic Writing	4
Total Credits	18
	Winter
CJA 201 Juvenile Delinquency	3
Information Processing	4
HS 205 Youth Addiction	3
PSY 202 General Psychology	4
PSY 215 Lifespan Development	3
PSY 239 Introduction to Abnormal Psychology	3
Total Credits	20
	Spring
CJA 101 Introduction to Criminology	3
CJA 232 Correctional Casework	3
CJA 280 Co-op Ed: Criminal Justice	3
HS 209 Crisis Intervention and Prevention	3
PSY 203 General Psychology	4
Total Credits	16

Industrial Mechanics and Maintenance Technology Apprenticeship

Offered by the Advanced Technology Division, 541.463.5380

Associate of Applied Science Degree, Industrial Mechanics and Maintenance Technology Apprenticeship

Certificate of Completion, Industrial Mechanics and Maintenance Technology Apprenticeship

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.
- 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-jobtraining.

Job Openings Projected through 2020

Lane County openings - 2 annually Statewide openings - 32 annually

Wages

Lane County average hourly - \$22.34; average annual - \$46,471 Oregon average hourly - \$27.25; average annual - \$56,679

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 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,325
Books and supplies	\$1,350

Total Estimate \$11,675

Industrial Mechanics and Maintenance Technology Apprenticeship 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 millwright program vary.

Program 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 in Operations Management degree. 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 or Oregon University System institution.

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*.

Pre-requisites Minimum placement scores – Reading 68, Writing 64, and Math parts A, B, C with 7/10 score. Note: See the counselor or advisor to obtain the suggested entry-level skills for successful completion of these programs.

Criteria Used for Admission 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).

Industrial Mechanics and Maintenance Technology Apprenticeship

Associate of Applied Science

To earn the degree, a student must:

- 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.

Course Requirements

- 1. 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.
- General education course choices are listed on the Associate of Applied Science degree page.

	AAS requirements
	General Education
	WR 115W Intro to College Writing:
3	Workplace Emphasis or higher-level writing
4	MTH 060 Beginning Algebra (or higher)
3	PE/Health Requirement
3	Arts and Letters requirement
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
ndustries	Journeyman card from Oregon Bureau of Labor and Indu
ion. 22	Apprenticeship and Training Division, prior certification.
43	Millwright Core Related Training
5	APR 150 The Millwright and Shop Safety
ion. 22 43	Journeyman card from Oregon Bureau of Labor and Indu Apprenticeship and Training Division, prior certification. Millwright Core Related Training

APR 151 Millwright Machine Theory and Trade	
Calculations	5
APR 152 Millwright: Power Trains/Boilers and Steam	5
APR 250 Millwright: Industrial Print Reading,	
Schematics, Estimating	5
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
WLD 121 Shielded Metal Arc Welding 1	2
WLD 143 Wire Drive Welding 1	2
Program Electives to complete 90 credits for degree:	4
APR 101 Trade Skills Fundamentals	4
CS 120 Concepts of Computing	4
DRF 167 CAD 1	4
ET 129 Electrical Theory 1	4
HE 252 First Aid	3
MFG 201 CNC Mill	1-6
MFG 202 CNC Lathe	1-6
MTH 112 Trigonometry	4
WLD 122 Shielded Metal Arc Welding 2	1-4
WLD 139 Welding Lab	1-6
WLD 140 Welder Qualification (Certification) Wire	3
WLD 141 Welder Qualification (Certification) SMAW	3
WLD 142 Pipe Welding Lab: Carbon Steel	3
WLD 151 Fundamentals of Metallurgy	1-3
WLD 154 Wire Drive Welding 2	1-4

Industrial Mechanics and Maintenance Technology Apprenticeship

Certificate of Completion

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' 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.

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.
- 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).
 complete core-related training credits.
 Total Credits
 53

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Legal Assistant

Two-Year Associate of Applied Science Degree, Legal Assistant

Note This program is no longer offered at Lane. Students interested in this field of study should consider the Two-Year Administrative Office Professional program with Legal directed electives, or the Legal Office Skills Career Pathway Certificate of Completion (see Administrative Office Professional program), or the Paralegal Studies AAS offered through Umpqua Community College (see Paralegal Studies).

For additional information, contact Deb Hupcey in the Counseling Department, 541.463.5635 or hupceyd@lanecc.edu.

Manufacturing Technology

Offered by the Advanced Technology Division, 541.463.5380

Two-Year Associate of Applied Science Degree

Two-Year Associate of Applied Science Degree Option: Computer Numerical Control Technician

Two-Year Certificate of Completion

Certificate of Completion, Basic Manufacturing/Machine Technician

Purpose To provide training in basic principles and fundamentals in manufacturing (machine shop) and related work. A graduate qualifies for entrance occupations as a machinist in manufacturing shops or related machine tool industries. Employment opportunities include machine repair and maintenance shops, tool and die shops, manufacturing industries, metalworking plants, repair and maintenance shops for mill and construction contractors, high tech and specialty machine shops, and production machine shops.

Learning Outcomes The graduate will:

- demonstrate the use of setups 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.
- access library, computing, and communications services and obtain information and data from regional and national networks.
- · use basic math skills, formulas and right angle trigonometry.

The CNC Option graduate will also:

- set up, program, and operate 3-Axis CNC milling machines with a G-code controller and 2-Axis CNC lathes with a G-code controller.
- design parts with CAM software and apply to CNC machine tools.

Job Openings Projected through 2020

Lane County openings – 10 annually Statewide openings - 126 annually

Wages

Lane County average hourly - \$19.76; average annual - \$41,098 Oregon average hourly - \$21.10; average annual - \$43,891

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$10,160
Differential Fees*	\$1,300
Other Course/Program Costs	\$774
Tools	\$1,075
Books and supplies	\$850

Total Estimate \$14,159

*This is the total of all the differential fees attached to Manufacturing Technology courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Prerequisites Minimum placement score—of 68 in Reading OR completion of RD 080 OR RD 087 AND EL115 OR prior college. A high school diploma or equivalent is recommended for all applicants to this program.

Note See a counselor or advisor to learn what entry-level skills are suggested for successful completion of this program.

Admission Information See lanecc.edu/advtech/at/admission-information or contact the Advanced Technology Division, AdvTechPrograms@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. 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 Marv Clemons, Manufacturing Technology Co-op Coordinator, Bldg. 12, Rm. 120C, 541.463.3158, clemonsm@lanecc.edu

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. MFG 201 and 202 must be completed with a letter grade, not P/NP. All other 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.
- 3. 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.

Two-Year Associate of Applied Science Degree

First Year MFG 197 Manufacturing Technology MTH 060 Beginning Algebra or higher mathematics WLD 151 Fundamentals of Metallurgy	Fall 12 4 3
Total Credits	19
	Winter
CS 120 Concepts of Computing: Information Processing	
or higher computer science course	4
MFG 197 Manufacturing Technology	12
PE/Health requirement	3

Total Credits

19

	Spring	Spring
MFG 197 Manufacturing Technology	12	MFG 197 Manufacturing Technology
WR 115W Introduction to College Writing: Workplace	2	MFG 208 CNC: Special Project
Emphasis or higher writing	3	Arts and Letters requirement
Total Credits	15	Human Relations requirement
Second Year	Fall	Total Credits 18
DRF 167 CAD 1 MFG 197 Manufacturing Technology	4 12	Elective
MTH 085 Applied Geometry for Technicians	12	ENGR 280M Co-op Ed: Manufacturing (optional)
or higher mathematics	4	
Total Credits	20	Manufacturing Technology
	Winter	Two-Year Certificate of Completion
Arts/Letters requirement	3	Gainful Employment Disclosure
MFG 197 Manufacturing Technology	6	
Choice of:	6	Standard Occupational Classification: 17-3026.00
MFG 201 CNC MILL MFG 202 CNC Lathe		Go to the Department of Labor's O*Net website for a profile of this occupation:
_		·
Total Credits	15	Industrial Engineering Technicians onetonline.org/link/summary/17-3026.00
	Spring	Or check on these O*Net Related Occupations:
MFG 197 Manufacturing Technology	12	Materials Engineers onetonline.org/link/summary/17-2131.00
WLD 121 Shielded Metal Arc Welding 1	4	Inspectors, Testers, Sorters, Samplers, and Weighers onetonline.
Human Relations requirement	3	org/link/summary/51-9061.00
Total Credits	19	How many students complete the Manufacturing Technology
Elective		2-year Certificate? One student completed this certificate in academic year 2011-12.
ENGR 280M Co-op Ed: Manufacturing (optional)		What was the on-time graduation rate for these students?
M (1 1 T k 1 0	4	Lane Community College is committed to protecting student pri-
Manufacturing Technology Compu		vacy and does not publish this rate for ten or fewer graduates.
Numerical Control Technician Opti	on	How many jobs are forecast in this occupation between 2010-20?
Two-Year Associate of Applied Science Degree		Lane County: 13 positions
	F-11	Statewide: 21 positions
First Year MEG 197 Manufacturing Technology	Fall 12	What wages are forecast for this occupation?
MFG 197 Manufacturing TechnologyMTH 060 Beginning Algebra	12	Lane County average hourly - \$10.61; average annual - \$22,062
or higher mathematics	4	Oregon average hourly - \$12.53; average annual - \$26,065
WLD 151 Fundamentals of Metallurgy	3	How much will the program cost?
Total Credits	19	(Estimates based on 2012-13 data for full-time students. Students
Total Greats		attending part-time will incur additional term fees. Consult Lane's
NATO 407 NA C C C T L L	Winter	website for updated tuition and fees.)
MFG 197 Manufacturing TechnologyCS 120 Concepts of Computing: Information Processing or	. 12	Resident tuition and fees
higher computer science course	4	On-Campus room and board
PE/Health requirement	3	
Total Credits	19	Total Estimate \$14,163
Total Credits	19	What's included?
	Spring	Program Costs: lanecc.edu/esfs/credit-fees-and-expenses
MFG 197 Manufacturing Technology	6	What is the median loan debt incurred by students who
MFG 211 CAM 2	3 3	completed the program in 2012?
WR 115W Introduction to College Writing: Workplace	3	Federal Loans
Emphasis or higher writing	3	Institutional financing
Total Credits	15	closed for programs with fewer than ten graduates.)
Total Credits	15	
Second Year	Fall	Course Requirements
DRF 167 CAD 1	4	1. Prerequisites are required for some courses. See course
MFG 197 Manufacturing TechnologyMFG 201 CNC Mill	6 6	descriptions.
1TU 095 Applied Geometry for Technicians 2. MFG 201 and 202 must be completed with a letter grade, not i		
INF. All other MFG and MFH Courses must be completed with		NP. All other MFG and MTH courses must be completed with a letter grade, not P/NP, and must be passed with a grade of "C-"
Total Credits	20	or better to satisfy program requirements.
Total Credits	20	Human Relations and PE/Health course choices are listed on the
	Winter	Associate of Applied Science degree page.
MFG 197 Manufacturing Technology	6	
MFG 202 CNC Lathe	6 4	First Year Fall MFG 197 Manufacturing Technology
DRF 121 Mechanical Drafting	7	MFG 197 Manufacturing Technology
DRF 168 CAD 2		for Took picions, or higher methometics

Total Credits

16

16

Total Credits

MFG 197 Manufacturing Technology PE/Health requirement	
Total Credit	s 15
MFG 197 Manufacturing Technology WLD 111 Blueprint Reading for Welders	
Total Credit	s 15
Second Year MFG 197 Manufacturing Technology WLD 121 Shielded Metal Arc Welding 1	
Total Credit	s 16
MFG 197 Manufacturing Technology	3
Total Credit	s 15
MFG 197 Manufacturing Technology Human Relations requirement	3
Total Credit	3 13

Note: See a counselor or advisor to learn what entry-level skills are suggested for successful completion of this program.

Basic Manufacturing/Machining Technician

Certificate of Completion

Note: This curriculum is under revision during academic year 2013-14. It will no longer be offered as a Statewide Certificate of Completion, and there may be additional course options for students also completing Fabrication/Welding programs. Please consult an Advanced Technology division counselor or advisor for updated information about courses that meet the certificate requirements.

Purpose To provide training in basic principles and fundamentals in manufacturing (machine shop) and related work. This is a basic training certificate in fundamentals, and should not be confused with the proficiency levels acquired through more rigorous outcomes of 2-year programs in Manufacturing or Welding.

Learning Outcomes The graduate will:

- · demonstrate the use of setups 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.

	Credits
MFG 197 Manufacturing Technology	
Machine Tool Fundamentals	3
MTH 060 Beginning Algebra	
or higher mathematics	4
WLD 111 Blueprint Reading for Welders	3
MFG 197 Manufacturing Technology Inspection	2
MFG 197 Manufacturing Technology Industrial	
Safety	2
Focus Elective	2-4
Total Credits	16-18

Focus Electives	
WLD 121	4
WLD 111	3
MFG 201	1-6
MFG 197	1-12

Massage Therapy

Offered by Continuing Education, 541.463.6100

Certificate of Completion, License Exam Preparation Program

Program approved by Oregon Board of Education and **Oregon Board of Massage Therapists**

Purpose To prepare graduates for careers as licensed massage therapists (LMT) and to qualify students for the licensure exam administered by the Oregon Board of Massage Therapists.

Learning Outcomes The graduate will:

- · demonstrate entry-level knowledge and skills in the clinical curriculum content areas of massage therapy.
- · demonstrate entry-level knowledge of anatomy/physiology, kinesiology and pathology.
- demonstrate professional standards, ethics and competence in the massage profession.
- develop therapeutic relationships that support health and well-being.
- · collect and use client information to determine the appropriateness of massage therapy.
- · develop a treatment plan.
- · implement the treatment plan.
- evaluate the effectiveness of the treatment plan.
- · maintain documentation.
- influence the advancement of the massage therapy profession.
- · promote the benefits of massage therapy to the public.

Employment Trends Employment opportunities continue to increase statewide. Many Licensed Massage Therapists are self-employed.

Wages

Oregon average hourly - \$22.74; average annual - \$47,305

Costs (Estimate based on 2013 tuition and fees. Consult Lane's website for updated tuition.) - Subject to change without notice.

Tuition and fees Textbooks Personal liability insurance – required Three professional massages Miscellaneous supplies	\$180
-	\$7.334

Licensing or Other Certification Exams Upon completion of the required courses, students are eligible to apply for Oregon Board of Massage Therapists Licensing Exams.

Prerequisite Students must be at least 18 years of age. Must apply for admission into the program.

Program Contact 541.463.6111, e-mail: calisek@lanecc.edu

Core Pre-licensing Program

Term 1	Contact Hours
XBI 5979 Anatomy/Physiology/Pathology 1	30
XLMT 5972 Introduction to Palpation-Upper Body.	
XLMT 5987 Introduction to Massage and Commun	nication
20	
XLMT 5973 Massage 1	

Term 2 XBI 5980 Anatomy/Physiology/Pathology 2 XLMT 5974 Massage 2 XLMT 5990 Introduction to Palpation-Lower Body	30 35 35
Term 3 XBI 5989 Anatomy/Physiology/Pathology 3 XLMT 5975 Massage 3 XLMT 5988 Essentials of Acupressure	30 35 30
Term 4 XBI 5990 Anatomy/Physiology/Pathology 4 XLMT 5977 Kinesiology-Lower Body XLMT 5981 Law/Ethics XLMT 5983 Massage 4	30 30 20 35
Term 5 XBI 5991 Anatomy/Physiology/Pathology 5 XLMT 5985 Massage 5 XLMT 5978 Kinesiology-Upper Body XLMT 5982 Professional Practices	30 30 30 20
Term 6 XLMT 5986 Massage 6 XLMT 5984 Community Student Clinic XLMT 5989 Palpation Lab	30 30 20
Total Contact Hours in program	600
Electives XLMT 5971 Student Practice Lab	10-40

Medical Office Assistant

Offered by the Health Professions Division, 541.463.5617 Two-Year Associate of General Studies One-Year Certificate of Completion

Purpose To train the graduate for a successful career in the profession of medical assisting, including certification (Certified Medical Assistant®). The Certified Medical Assistant® is a vital member of the ambulatory health care team.

Learning Outcomes The graduate 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.

Wages

Lane County average hourly - \$15.71; average annual - \$32,657 Oregon average hourly - \$15.61; average annual - \$32,469

Program Accreditation Medical Office 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.

Licensing or Other Certification Exams Required The eligible graduate is qualified to take the national certification examination administered by the American Association of Medical Assistants (AAMA), to become a Certified Medical Assistant®. For detailed information, contact the AAMA, *aama-ntl.org*.

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, *lanecc.edu [hp]moa.*

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 onthe-job training. A required weekly seminar during spring term includes resume writing instruction, interviewing techniques, and other job-search skills. Contact Marty Pittman, Medical Office Assistant Cooperative Education Coordinator, Bldg. 4, Rm. 253, 541.463.3177.

Program Advising Contact Counseling and Advising, Student Services Building, or e-mail MOA*Program@lanecc.edu*

Enrollment Requirements to be Met by Start of Fall Term Program Each accepted student must submit evidence of a physical examination (within the previous nine months) and receive several vaccinations before classes begin. Students are required to hold a Health Care Provider CPR and a Health Care Provider First Aid card (both must remain current through July of the year of graduation from the certificate program). In addition, students must complete courses outlined below.

- Prerequisites are required for some courses. See course descriptions.
- 2. All first year courses, as well as MTH 052 and HO100 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. WR 115 must be must be passed with a grade of "C-" or better and WR 121 must be completed with a letter grade, not P/NP.
- All second year courses may be completed prior to entry into the Medical Office Assistant program, and may be taken any term.
- 4. To register for any MA or HIT classes, a student must be accepted into the program. Other first and second term courses may be taken prior to program entry.
- 5. To meet MOA Certificate requirements and also AGS degree requirements, take Arts and Letters for 4 credits if CG 103 was completed as prerequisite for MOA program admission; take Human Relations requirement for 3-4 credits if SP 218 was completed as prerequisite.
- PSY 201 and PSY 203 meet 8 credits of the 12-credit AGS Social Science degree requirement and may be taken in lieu of PSY 110 to meet MOA certificate requirements.

Two-Year Associate of General Studies

Prerequisite Courses Required for Admission Choice of:.....

3-4

CG 203 Human Relations at Work SP 218 Interpersonal Communication

HO 100 Medical Terminology 1	3
or higher-level writing	3 4
Total Credits	13-14
First Year	Fall
BT 120 MS WORD for Business	3
HO 110 Administrative Medical Office Procedures	3
HO 150 Human Body Systems 1	3
HO 190 Medical Formatting	3
MA 110 Clinical Assistant 1	3 3-8
PSY 110 Exploring Psychology or PSY 201 General Psychology and PSY 203 General Psychology	3-0
Total Credits	18-23
	Winter
BT 165 Introduction to the Accounting Cycle	4
HO 114 Introduction to Coding	3
HO 152 Human Body Systems 2	3
HO 220 Legal and Ethical Aspects of Healthcare MA 120 Clinical Assistant 2	3
MA 150 Laboratory Orientation	3
· -	
Total Credits	19
HIT160 Practice Management	Spring
HO 112 Medical Insurance Procedures	3
MA 130 Clinical Assistant 3	3
MA 280 Co-op Ed: Medical Office Assistant	5
MA 206 Co-op Ed. Medical Office Assistant	
Seminar	2
Total Credits	16
Second Year	Fall
Science/Math/Computer Science Requirement	4
Choice of: (see Course Requirement 5 above) Arts and Letters Requirement	3-4
Human Relations Requirement WR 121 Introduction to Academic Writing	4
Total Credits	11-12
	Winter
CS 120 Concepts of Computing: Information	
Processing	4
Social Science Requirement	
as needed to complete 12 credits of Social Science Science/Math/Computer Science Requirement	3-4
Science/Math/Computer Science Requirement	4
Total Credits	14-15
	Spring
Arts and Letters Requirement	Spring 4
HE 252 First Aid	3
Social Science Requirement	
as needed to complete 12 credits of Social Science	0-3
Science/Math/Computer Science Requirement	3
Total Credits	10-13

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Medical Office Assistant

One-Year Certificate of Completion

Gainful Employment Disclosure

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

How many students complete the Medical Office Assistant 1-year Certificate?

Twenty-four students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

Approximately 38 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 11 positions Statewide: 29 positions

What wages are forecast for this occupation?

Lane County average hourly - \$16.50; average annual - \$34,326 Oregon average hourly - \$15.95; average annual - \$33,162

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	. \$4,707
Differential fees*	. \$566
Student and Program fees	. \$1,092
Other program costs	. \$3,758
On-Campus room and boardNo	t offered

Total Estimate \$10,123

*This is the total of all the differential fees attached to Medical Office Assistant courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans \$5,500 Institutional financing \$0

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>

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. WR 115W 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 MOA program admission; take Human Relations for 4 credits if SP 218 was completed as prerequisite.
- 4. 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.

- 5. To register for any MA or HIT classes, a student must be accepted into the program. Other first and second term courses may be taken prior to program entry.
- These courses may be taken any term: BT 120, BT 165, HO 110, HO 114, HO 220.

Prerequisite Courses Required for Admission Choice of:	3-4
SP 218 Interpersonal Communication HO 100 Medical Terminology 1	3
or higher-level writing MTH 052 Math for Introductory Physical Science	3 4
Total Credits	13-14
BT 120 MS WORD for Business	Fall 3 3 3 3 3 3-8
Total Credits	
BT 165 Introduction to the Accounting Cycle	Winter 4 3 3 3 3 3 3
Total Credits	19
HIT160 Practice Management	Spring 3 3 3 2 5

Multimedia Design

Offered by the Division of the Arts, 541.463.5409
Two-Year Associate of Applied Science Degree
One-Year Certificate of Completion, Multimedia Design
One-Year Certificate of Completion, Web Design

Total Credits

16

Purpose To prepare students for entry-level positions in the media industry and careers in multimedia design and production.

Learning Outcomes The graduate will:

- design computer applications incorporating multiple forms of media such as text, graphics, audio, video, and animation.
- understand the concept, potential and implications of communicating ideas using computer-based interactive media technology.
- become proficient in developing and applying effective visual design strategies for creating interactive multimedia, animation, games, web sites, and computer-based training for delivery over the Internet, DVD's and CD-ROM.
- have additional skills in one or more elective areas: software, design, or media.
- use appropriate library and information resources to research media issues, concepts and tools, and support lifelong technical

learning.

· manipulate variables using computer software applications.

Job Openings Projected through 2020

Statewide openings - 28 annually

Wages

Lane County average hourly - \$29.25; average annual - \$60,839 Oregon average hourly - \$29.28; average annual - \$60,889

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,006
Books and supplies	\$1,700

Total Estimate \$10,706

Multimedia Design courses fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Cooperative Education (Co-op) Opportunities to work directly in the media industry 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.

Note: Students must earn a grade of "B-" or better in all prerequisite (s) and "C-" or better in major requirements.

Program Contacts Jefferson Goolsby, Bldg. 17, Rm. 105; Teresa Hughes, Bldg. 17, Rm. 106; Merrick Simms Bldg. 17, Rm. 107.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. The PE/Health requirement may be completed with a letter grade, not P/NP.
- 3. ART 131, WR 121, and MUL 210 must be completed with a letter grade, not P/NP. ART 245, MTH 060, MUS 118, all Directed Electives, and the Science/Math/Computer Science requirement 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. All other courses must be completed with a letter grade of "B" or better to satisfy prerequisite requirements for courses in a sequence.

Two-Year Associate of Applied Science Degree

First Year	Fall
ART 115 Basic Design: Fundamentals	3
ART 131 Introduction to Drawing	3
ART 261 Photography 1	3
FA 250 Concepts of Visual Literacy	3
PE/Health requirement	1
WR 121 Introduction to Academic Writing	4
Total Credits	17
	Winter
AUD 120 Audio Production	Winter 4
AUD 120 Audio ProductionFA 261 Writing and Interactive Design	
FA 261 Writing and Interactive DesignMTH 060 Beginning Algebra	4
FA 261 Writing and Interactive Design	4
FA 261 Writing and Interactive Design	4
FA 261 Writing and Interactive Design	4 3

Fall

3

ART 151A Media Graphics	Spring
Second Year CIS 195 Web Authoring 1	16-17 Fall 3 4 4 3 3-4
ART 289 Web Production	17-18 Winter 3 3 4 3 1
MDP 247 Multimedia Production 2	14 Spring 4 3 1 6-8

One-Year Certificate of Completion in Multimedia Design

Gainful Employment Disclosure

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/27-1014.00 Or check on these O*Net Related Occupations: None

How many students complete the Multimedia Design 1-year Certificate?

Fourteen students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students?

None completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 4 positions Statewide: 28 positions

What wages are forecast for this occupation?

Lane County average hourly - \$29.25; average annual - \$60,839 Oregon average hourly - \$46.33; average annual - \$60,889

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for undated tuition and fees.)

website for updated tuition and fees.)	
Resident tuition and fees	\$6,351
Books, supplies, program costs	\$1,700
On-Campus room and board	offered

Total Estimate \$8,051

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	\$4,360
Institutional financing	\$269

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. The Science/Math/Computer Science course must be completed with a letter grade, not P/NP. ART 115, MTH 060 and the Science/Math/Computer Science course 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. All other courses must be completed with a letter grade of "B" or better to satisfy prerequisite requirements.

	Fall
ART 115 Basic Design: Fundamentals	3
ART 131 Introduction to Drawing	3
ART 261 Photography 1	3
FA 250 Concepts of Visual Literacy	3
WR 121 Introduction to Academic Writing	4
Total Credits	16
	Winter
AUD 120 Audio Production	4
FA 261 Writing and Interactive Design	3
MTH 060 Beginning Algebra or higher	
mathematics	4
MUL 210 Multimedia Design	3
MUL 212 Digital Imaging	4
Total Credits	18
	Spring
ART 151A Media Graphics	3
CG 203 Human Relations at Work	3
FA 231 Multimedia Authoring	3
Science, Math, Computer Science course	4
VP 151 Video Production 1 / Camera	3
Total Credits	16

Directed Electives (Software, Design, or Media)

Contact Art and Applied Design Department for additional choices.

3 1	
Software	
CIS 125G Software Tools 1: Game Development	4
CIS 125W Software Tools 1: Web	3
CIS 195 Web Authoring 1	3
CS 120 Concepts of Computing	4
CS 133JS Beginning Programming: JavaScript	4
CS 161C+ Computer Science 1	4
CS 295N Web Development 1: ASP.NET	4
CS 295P Web Development 1: PHP	4
Design	
ART 116 Basic Design: Color	3
ART 119 Typography	3
ART 216 Digital Design Tools	4
ART 225 Digital Illustration	3
ART 231 Intermediate Drawing	3
ART 234 Figure Drawing	3
ART 290 Design Concepts for the Web	3
Media	3
ART 220 Documentary Photography	3
ART 262 Photography 2	3
, , ,	3
FA 221 Computer AnimationFA 222 Computer Animation 2	3
	-
FA 254 Fundamentals of Lighting	3

FA 255 Understanding Movies: American Cinema FA 256 Lighting for Photography

J134 Photojournalism

J234 Photojournalism 2	4
MDP 248 Multimedia Production 3	4
MUL 214 Digital Photography	3
MUL 216 Multimedia for the Web	3
MUL 218 Business Practices for Media Arts	2
MUS 119 Music Technology MIDI/Audio 2	4
MUS 298 IS: Music Technology	1-6

Web Design

One-Year Certificate of Completion

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.

Learning Outcomes Graduates will:

- develop proficiency in multiple forms of media design which includes writing for the web, graphic and web design, working with visual imagery, video, sound and animation.
- understand the concept, potential and implications of communicating ideas using computer-based interactive media technology.
- 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.
- understand the concepts of media and its effect on society, and how to use media ethically.
- 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.

Program Coordinator Jefferson Goolsby, Bldg. 17, Rm. 105.

Gainful Employment Disclosure

Standard Occupational Classification: 15-1199.03

Go to websites below for information about related occupations: Web Administrators

onetonline.org/link/summary/15-1199.03

How much will the program cost?

(Estimate based on 2011-12 data. Consult Lane's website for updated tuition.)

Resident tuition and fees	\$6,173
Books, supplies, program costs	\$1,700
On-Campus room and boardNot	offered

Total Estimate \$7,873

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What are financing options to pay for the program?

In addition to any grant and scholarship aid for which they are eligible, students may use federal and private loans to finance their education.

How long will it take to complete this program?

The program is designed to take 3 terms, or about 12 months of study to complete.

How many 2010-11 Web Design graduates completed within the designed program length?

This is a new program, and data is not yet available on graduates.

What are my chances of getting a job when I graduate?

In Lane County, 12 positions are forecast to be available annually between 2008-2018, and 166 positions are forecast statewide.

Course Requirements

 Prerequisites are required for some courses. See course descriptions. 2. CG 203, CIS 195, CS 295P, MTH 060 and WR 121 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. All other courses must be completed with a letter grade of "B" or better to satisfy prerequisite requirements.

	Fall
ART 115 Basic Design: Fundamentals	3
CIS 125W Software Tools 1: Web	3
CIS 195 Web Authoring 1	3
MTH 060 Beginning Algebra or higher math	4
MUL 212 Digital Imaging	4
Total Credits	17
	Winter
ART 245 Drawing for Media	4
ART 289 Web Production	3
CS 133JS Beginning Programming: JavaScript	4
WR 121 Introduction to Academic Writing	4
=	
Total Credits	15
	Spring
ART 151A Media Graphics	3
ART 290 Design Concepts for the Web	3
CG 203 Human Relations at Work	3
CS 295P Web Development 1: PHP	4
MUL 216 Multimedia for the Web	3
Total Credits	16

Nursing

Offered by the Health Professions Division 541.463.5617 Two-Year Associate of Applied Science Degree

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. A competent nurse:

- bases personal and professional actions on a set of shared core nursing values.
- · develops insight through reflection, self-analysis and self-care.
- engages in self-directed learning.
- · demonstrates leadership in nursing and healthcare.
- · collaborates as part of a health care team.
- · practices relationship-centered care.
- · makes sound clinical judgments.
- · uses the best available evidence.

Job Openings Projected through 2020

Lane County openings - 139 annually Statewide openings – 1,450 annually

Wages

Lane County average hourly - \$37.35; average annual - \$77,694 Oregon average hourly - \$37.54; average annual - \$78,098

Fall

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,181
Differential Fees*	\$10,315
Other program costs	\$3,165
(Criminal background check, uniform, shoes,	
stethoscope, physical exam, immunizations, etc.)	

Total Estimate \$24,061

* This is the total of all the differential fees attached to Nursing courses in the 2-yr 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 Program website: lanecc.edu/hp/nursing/ Application Website: lanecc.edu/hp/nursing/registered-nursing-application-information

Oregon residency required.

Prerequisites required prior to beginning of program

Books and supplies.....

- Courses See Prerequisite Courses for Program Admission
- Other Immunizations, drug testing, criminal background check required. Information pertaining to criminal background checks and disqualifying crimes can be found at the Oregon Board of Nursing: arcweb.sos.state.or.us/rules/OARS_800/OAR_851/851_045. html

Accreditation Oregon State Board of Nursing (OSBN) 17938 SW Upper Boones Ferry Rd, Portland, OR, 971673-0685, 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 eight community colleges and OHSU consortium partners.

Cooperative Education Co-op internships may be taken as an optional elective any of the last five terms of the program. Contact Ruth Rice, Cooperative Education Coordinator for Nursing, Bldg. 30, Rm. 102, (541) 463-3276.

Academic Advising/Counseling For assistance with meeting application or program requirements contact Counseling and Advising in Building 1 room 103 or E-mail *NursingProgram@lanecc. edu* with your specific questions. An online Academic Advising resource can be found by going to *lanecc.edu*. Choose the "Moodle" link and in search of courses type in Nursing and select Academic Advising Resources for nursing.

Program Coordinator Patricia Tully, RN, MS - *tullyt@lanecc.edu* 541.463.5754

Prerequisite Courses for Program Application To be eligible to apply a minimum of 30 credits must be completed by application deadline and include MTH 095 or higher level math and BI 231 Human Anatomy and Physiology 1.

Prerequisite Courses for Program Enrollment (45 credits must be completed prior to beginning program)

completed prior to beginning program)	
BI 231 Human Anatomy and Physiology 1	4
BI 232 Human Anatomy and Physiology 2	4
BI 233 Human Anatomy and Physiology 3	4
Nutrition course, choice of:	4
FN 225 Nutrition	
FN 240 Introduction to Nutrition and Metabolism	
Human Development course(s), choice of:	3-6
PSY 215 Lifespan Developmental Psychology	
or	
(PSY 235 Human Development 1 and	
PSY 236 Human Development 2)	

Of Control of the Con	
(HDFS 226 Child Development and	
PSY 236 Human Development 2)	
Mathematics proficiency, choice of	4-5
MTH 095 Intermediate Algebra or higher	
or	
Credit by Exam for MTH 095	
or transcripted credits:	
AP (Calculus), or CLEP (College Algebra, or any Calculus,	
or Statistics), or IB (Mathematics, or Math Studies, or Furthe	r
Mathematics, or Statistics)	
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and	
Research	4
Social Science/Human Relations requirement	3
Any college level 100 or 200 transferable non-studio	
humanities, social science or science electives	3-6

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All courses except Clinical Labs, Cooperative Education, and Biology with Genetics must be passed with a letter grade of "C" or better.
- 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.
- 4. WR 123 and 227 are waived if WR 121 and WR 122 are taken as 4 credit courses effective summer term 2010.
- The most recent BI 233 course must have been completed within 7 years prior to starting the nursing program (taken Fall term 2006 or later).
- 6. PSY 236 is not offered at Lane, but is available at other colleges in the OCNE consortium.
- Students must be enrolled in the Nursing Program to register for any NRS classes.

Nursing First Year

riist real	Ган
BI 234 Introductory Microbiology	4
Biology with genetics:	3-4
BI 112 + BI 233 or	
BI 112 + BI 102G or	
BI 101F + BI 233 or	
BI 211 + BI 233 or	
BI 101K + BI 233 or	
BI 101K + BI 102G	
NRS 110A Foundations of Nursing:	
Health Promotion	4
NRS 110B Foundations of Nursing:	
Health Promotion Clinical Lab	5
Total Credits	16- 17
	Winter
NRS 111A Foundations of Nursing in	
Chronic Illness 1	2
NRS 111B Foundations of Nursing in Chronic Illness Lab	
(pass/no pass)	4
NRS 230 Clinical Pharmacology 1	3
NRS 232 Pathophysiology Processes 1	3
Choice of:	4
WR 123 Composition: Research	
WR 227 Technical Writing	
Elective:	
NRS 280 Co-op Ed: Nursing	(2)
Total Credits	16-18
	Spring
NRS 112A Foundations of Nursing in Acute Care 1	. 2
NRS 112B Foundations of Nursing in Acute Care 1	
Clinical Lab	4
NRS 231 Clinical Pharmacology 2	3

3 3-4	NRS 233 Pathophysiology Processes 2 Social Science/Human Relations requirement Elective:
(2)	NRS 280 Co-op Ed: Nursing
15-18	Total Credits
Fall	Second Year NRS 221A Nursing in Chronic Illness 2
4	and End-of-Life
5 (6)	and End-of-Life Lab Arts and Letters, Social or Natural Science electives
(2)	(required for BS, not for AAS) Elective: NRS 280 Co-op Ed: Nursing
	-
9-17	Total Credits
Winter	
Winter 4	NRS 222A Nursing in Acute Care 2 and End-of-Life
4	and End-of-Life NRS 222B Nursing in Acute Care 2
	and End-of-Life
4	and End-of-Life
5 (6)	and End-of-Life
4 5 (6) 9-15 Spring	and End-of-Life
9-15 Spring 2 7 (6)	and End-of-Life
4 5 (6) 9-15 Spring 2 7 (6) (0-16)	and End-of-Life

Practical Nursing

Certificate of Completion

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 The graduate will:

- 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.
- · identify issues and care for clients in acute care settings.
- 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.

Gainful Employment Disclosure

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

How many students complete the Practical Nursing 1-year Certificate?

Fourteen students completed this certificate in academic year 2011-

What was the on-time graduation rate for these students?

Approximately 7 percent completed in the number of terms listed for this program in the catalog. Note: The federally required method for calculating this rate assumes students will enroll full-time, declare a major immediately, and enroll in it continuously until

certificate completion. In reality, many community college students attend part-time, explore several majors, stop out for a term or more, change their majors, or brush-up academic skills to be better prepared for college level courses, affecting this narrowly defined on-time completion rate.

How many jobs are forecast in this occupation between 2010-20?

Lane County: 23 positions Statewide: 156 positions

What wages are forecast for this occupation?

Lane County average hourly - \$22.03; average annual - \$45,824 Oregon average hourly - \$22.75; average annual - \$47,328

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	
Books	
Other program costs	
Total Estimate	

[†] This is the total of all the differential fees attached to Practical Nursing courses. These fees 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.

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans	Data unavailable
Institutional financing	Data unavailable

Application Information Drug testing, criminal background check required. Consult *lanecc.edu/hp/nursing/registered-nursing-faq*. Information on criminal background checks and disqualifying crimes can be found at the Oregon Board of Nursing at: *arcweb.sos.state.or.us/rules/OARS_800/OAR_851/851_045.html*

Program Endorsement Accreditation is obtained by the Oregon State Board of Nursing (OSBN) 17938 SW Upper Boones Ferry Rd., Portland, OR, 971673-0685, *oregon.gov/OSBN*

Academic Advising/Counseling For assistance with meeting application or program requirements contact Counseling and Advising in Building 1 room 103 or E-mail *NursingProgram@lanecc.edu* with your specific questions.

Program Coordinator Patricia Tully, RN, MS, tullyt@lanecc.edu 541.463.5754

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. The most recent BI 231, BI 232, BI 233 courses must have been completed within 7 years prior to starting the PN Program.
- 3. PN 101A, PN 102A, and PN 103A must be completed with a letter grade and passed with "C" or better. Human Relations course must be completed with a letter grade.

Prerequisite Courses for Program Application	Credits
Mathematics proficiency, choice of	4-5
MTH 065 Intermediate Algebra or higher	
or	
Credit by Exam for MTH 065	
or transcripted credits:	
AP (Calculus), or CLEP (College Algebra, or any Calculus,	
or Statistics), or IB (Mathematics, or Math Studies, or Ful	rther
Mathematics, or Statistics)	
WR 121 Introduction to Academic Writing	4

HO 100 Medical Terminology 1 BI 231 Human Anatomy and Physiology 1 BI 232 Human Anatomy and Physiology 2 BI 233 Human Anatomy and Physiology 3 CIS 101 Computer Fundamentals or documented computer proficiency PSY 201 General Psychology	3 4 4 4 3 4
First Year PN 101A Practical Nursing PN 101B Practical Nursing Lab Human Relations Requirement	Winter 8 4 3-4
Total Credits	15-16
PN 102A Practical Nursing PN 102B Practical Nursing Lab	Spring 8 4
Total Credits	
PN 103A Practical Nursing	Summer 7
PN 103A Fractical Nursing Lab	6
Total Credits	13

Practical Nursing Bridge

Eligibility for Entry into the Second Year Nursing Associate of Applied Science

Purpose Completion of these requirements gives a Licensed Practical Nurse eligibility to enter the second year of any Oregon Consortium for Nursing Education (OCNE) two-year associate degree registered nursing program.

Learning Outcomes

- reflect on own practice using the 10 OCNE competencies, rubrics and benchmarks
- develop evidenced based plans of care that are family centered, developmentally and culturally appropriate
- identify potential legal and ethical issues related to patient decision-making and informed consent in acute care settings
- identify roles of health care team members involved in patient care and delegation needs for patient care with experienced nurses
- describe similarities and differences between the role of the LPN and RN including scope of practice
- pathophysiology, medical management and nursing intervention in caring for clients with all conditions to include acute, chronic, obstetrics, psychiatric and terminal illness
- understand the principles of pharmacodynamics and pharmacokinetics

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees\$1,5	27
Differential Fees to be determine	ıed
Other program costs\$	900
Books and supplies\$2	280

Application Information

- · Program Consult lanecc.edu/hp/nursing/
- Application Process Selection to the program is by point system from a pool of qualified applicants.
- · Application Requirements Consult lanecc.edu/hp/nursing/
- Courses See Prerequisite Courses for Program Information
- Applicants may apply for advanced placement in any OCNE partner program, or for slots in one or more OCNE partner programs of their choice.

Enrollment Information

- Program enrollment by application process.
- Courses See Prerequisite Courses for Program Admission

Program Endorsement Approval by the OCNE Coordinating Council, 3455 SW U.S. Veterans Hospital Rd, Portland, OR 97239, ocne.org

Academic Advising/Counseling For assistance with meeting application or program requirements contact Counseling and Advising in Building 1 room 103 or E-mail *NursingProgram@lanecc.edu* with your specific questions.

Program Coordinator Patricia Tully, RN, MS, *tullyt@lanecc.edu* 541.463.5754

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- 2. All courses must be passed with a letter grade of "C" or better to complete the Bridge Program.
- 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.
- WR 123 and 227 are waived if WR 121 and WR 122 are taken as 4 credit courses effective summer term 2010.
- The most recent BI 233 course must have been completed within 7 years prior to starting the nursing program (taken Fall term 2006 or later).
- PSY 236 is not offered at Lane, but is available at other colleges in the OCNE consortium.

Prerequisite Courses for Program Application To be eligible for admission the LPN applicant must have completed the 45 credits (minimum) of prerequisites by the application deadline.

Bl 231 Human Anatomy and Physiology 1	4 sites. 4 4 4 3-6
or (PSY 235 Human Development 1 and PSY 236 Human Development 2)	
or	
(HDFS 226 Child Development and	
PSY 236 Human Development 2)	
Mathematics proficiency, choice ofMTH 095 Intermediate Algebra or higher	4-5
or	
Credit by Exam for MTH 095	
or transcripted credits:	
AP (Calculus), or CLEP (College Algebra, or any Calculus, or Statistics), or IB (Mathematics, or Math Studies, or Furt Mathematics, or Statistics)	her:
WR 121 English Composition: Exposition and	
Introduction to Argument	4
WR 122 Composition: Style and Argument	4
Social Science course/Human Relations	•
Requirement	3
Any college level 100 or 200 transferable non-studio	
Arts/Letters, social science or science electives	3-12
Minimum of 500 LPN practice hours	
Unencumbered Oregon LPN License	
Completion of ATI LPN Step Exam	

Prerequisites required prior to enrollment in Nursing Courses To be allowed to enroll in NRS 230 Pharmacology and NRS 232 Pathophysiology, the following requirements must be completed:

BI 234 Introductory Microbiology	4
Biology with genetics:	3-4
BI 112 + BI 233 or	
BI 112 + BI 102G or	
BI 101F + BI 233 or	
BI 211 + BI 233 or	
BI 101K + BI 233 or	
BI 101K + BI 102G	

Program Course Listing Only students accepted to the LPN Bridge may register for the any of the NRS courses below.

NRS 230 Clinical Pharmacology 1	
NRS 231 Clinical Pharmacology 2	
NRS 115B LPN Transition to OCNE-Lab	1

Occupational Skills Training

Offered by the Cooperative Education Division, 541.463.5203

One-Year Certificate of Completion

Purpose To offer students the opportunity to design and pursue a career path that is not currently available as a certificate or degree program at Lane.

Learning Outcomes The graduate will:

- gain knowledge and skills to prepare for employment in a chosen occupation.
- improve communication, human relations, and critical thinking and problem-solving abilities.
- complete occupation-specific classes and work site education/ training.
- access library, computing and communications services and obtain information and data from regional, national, and international networks.
- formulate questions that can be addressed with data and collect, organize and display relevant data to answer them.
- interpret the concepts of a problem-solving task and translate them into mathematics.

Employment Trends Employment varies by occupation.

Wages Vary by occupation.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$4,316
Other Course/Program Costs	Varies

Admission Information Cooperative Education Division office, Bldg. 19, Rm. 231, 541.463.5203

Cooperative Education (Co-op) Co-op provides students with on-the-job learning opportunities in a business, industry, government, or community organization. Students will have the opportunity to connect theory with practice, develop skills, and network with professionals and employers while earning college credit. Twenty to 26 credits of Co-op are required to earn a certificate of completion. Contact Chuck Fike, Occupational Skills Co-op Coordinator, Bldg. 19, Rm. 231C, 541.463.5078.

Program Lead Chuck Fike, fike@lanecc.edu, 541.463.5078

Course Requirements

- All required OST courses must be taken for a letter grade, not P/ NP, and must be passed with a "C-" or better to fulfill program requirements.
- 2. The required WR course must be taken for a letter grade, not P/ $\mbox{NP}.$
- Occupation-specific course work must be graded unless course is offered as P/NP only and must be passed with a "C-" or better to fulfill program requirements.
- See course descriptions for prerequisite and corequisite information.

OST 280 Co-op Ed: Occupational Skills	Fall 6 6 3-4
Total Credits	15-16
OST 280 Co-op Ed: Occupational Skills Occupation-specific course work	Winter 6 6 3 (1-3)
OST 280 Co-op Ed: Occupational Skills	15-18 Spring 9 3 3 15

Paralegal Studies

Offered by the Umpqua Community College Business Department, 541.440.4663

Two-Year Associate of Applied Science Degree, Paralegal Studies

Students may complete first-year classes at Lane and secondyear classes at Umpqua to become eligible for the AAS Degree in Paralegal Studies through Umpqua Community College.

It is expected that Lane students will have completed the Legal Office Skills Career Pathway Certificate of Completion at Lane (see Administrative Office Professional program) before transferring to Umpqua. The remaining Umpqua courses are all offered online so students are able to transfer to Umpqua and complete the AAS degree without the need to travel out of the Lane County area for classes.

The partnership between LCC and UCC allows students to work towards their Legal Office Certificate while at LCC and if they choose to continue their education, they can transfer that certificate to UCC 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 LCC.

Federal regulations also prohibit receiving financial aid for the same term at more than one institution. Students who plan to transfer to UCC to purse an AAS in Paralegal Studies will need

to stop receiving financial aid from LCC and apply for financial aid from UCC when they transfer.

CC Paralegal Coordinator Crystal Sullivan, 541.440.4663, Crystal.Sullivan@umpqua.edu

See Umpqua's catalog for program requirements and a term-byterm listing of second-year courses.

Paramedicine

Offered by the Health Professions Division, 541.463.5617
Two-Year Associate of Applied Science Degree
One-Year Certificate of Completion,
Emergency Medical Technician

Purpose To produce competent, entry level EMT (EMT-Basic) and EMT-Paramedics to serve in career and volunteer EMS positions.

Learning Outcomes The graduate will:

- acquire the skills needed to be a safe and effective pre-hospital emergency medical provider.
- · work as a member of a 911 emergency medical response team.
- · transport sick and injured persons to medical facilities.
- · administer basic and advanced life support care.
- document patient information, treatment plan, and patient progress.
- understand and apply laws and rules relevant to emergency responders.

Job Openings Projected through 2020

Lane County openings - 4 annually Statewide openings - 102 annually

Wages

Lane County average hourly - \$18.52; average annual - \$38,592 Oregon average hourly - \$18.43; average annual - \$38,331

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,652
Differential Fees*	\$1,665
Student and Program Fees	\$2,262
Other Course/Program Costs	\$3,167
Personal Heath Insurance	varies

Total Estimate \$15,746

Parking fees may be required at clinical facilities.

Program Coursework Approval of Emergency Medical Technology-Paramedicine courses

- (1) Lane's Health Professions Division is responsible for approving EMT courses.
- (2) An EMT course must be offered by a teaching institution accredited by the Oregon Department of Education (ODE) or the Oregon State Board of Higher Education. The ODE uses the OHA 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 or Other Certification Exams Required Oregon State and/or National Registry EMT (EMT-Basic) and EMT-Paramedic exams. Two-Year Associate of Applied Science Degree graduates are qualified to apply for the Oregon EMT-Paramedic certification exam. Coursework includes lecture, lab, clinical time in the hospital and an internship on a 911 ambulance. All first year courses must be successfully completed with a minimum of a C- grade to qualify to apply into the second year of the AAS/EMT-P program.

Students seeking EMT-Basic certification need only take EMT 151 and EMT 152. Students who successfully complete are eligible to apply for the Oregon EMT-Basic certification exam. Admission is by application only. Please see the EMT-Basic application for details, lanecc.edu/hp/emt.

Prerequisite requirements Students must be 18 years of age to take EMT courses. Students must also have High School Diploma, GED or college degree. Students enrolled in EMT programs are required to have a tuberculin test, measles and rubella vaccinations, and hepatitis B vaccinations. Tuberculin tests must be current through three terms (fall, winter, spring). Once admitted into the program, students are required to carry their own health insurance, submit to drug test and criminal background check, and provide proof of mandatory immunizations. Applicants for the second year must have current, valid Oregon EMT-Intermediate certification, and maintain good standing with the Oregon Health Authority Department of Human Services, EMS and Trauma Systems Section. EMT students will be submitting to a criminal background check.

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>.

Academic Advising/Counseling For questions about credit coursework contact Counseling and Advising, Student Services Building, or email <code>EMTBasicProgram@lanecc.edu</code> . For information on the non-credit offerings in EMS visit the EMT website, <code>lanecc.edu/hp/emt</code>.

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 to gain EMTS skills in off-campus learning sites. Contact Tom Brokaw, EMT Co-op Coordinator, Bldg. 30, Rm. 229, 541.463.5633, brokawt@lanecc.edu.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. EMT 271 and EMT 273 must be completed with a grade of "Pass" or "C-" or better.
- CIS 101, CS 120, MTH 095, PSY 110, WR 121, HE 275, SP 111, and Social Science/Human Relations requirement must be completed with a letter grade, not P/NP.
- 4. 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.

^{*} This is the total of all the differential fees attached to Emergency Medical Technology-Paramedicine courses. These fees 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.

- 5. Choices for Social Science/Human Relations requirement are listed on the Associate of Applied Science degree page.
- 6. Students pursuing a bachelor's degree need to complete a college level, transferable math course.

Paramedicine

Two-Year Associate of Applied Science Degree

First Year	Fall
BI 231 Human Anatomy and Physiology 1	4
EMT 151 Emergency Medical Technician	_
Basic Part 1 EMT 152 Emergency Medical Technician Basic Part 2	5 5
EMT 175 Introduction to Emergency Medical	5
Services	3
-	
Total Credits	17
	Winter
BI 232 Human Anatomy and Physiology 2	4
EMT 196 Crisis Intervention	3
MTH 095 Intermediate Algebra	5
WR 121 Introduction to Academic Writing	4
Total Credits	16
	Spring
BI 233 Human Anatomy and Physiology 3	4
EMT 169 EMT Rescue	3
EMT 170 Emergency Response	
Communication/Documentation	2
EMT 171 Emergency Response Patient	
Transportation	2
PSY 110 Exploring Psychology	3
HO 100 Medical Terminology 1	3
Total Credits	17
Second Vear	Fall
Second Year CIS 101 Computer Fundamentals or	Fall
CIS 101 Computer Fundamentals or	Fall
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing .	3-4
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1 EMT 271 EMT-Paramedic Part 1 Clinical SP 111 Fundamentals of Public Speaking	3-4 10
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1 EMT 271 EMT-Paramedic Part 1 Clinical	3-4 10
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1 EMT 271 EMT-Paramedic Part 1 Clinical SP 111 Fundamentals of Public Speaking	3-4 10 1
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1 EMT 271 EMT-Paramedic Part 1 Clinical SP 111 Fundamentals of Public Speaking or higher Speech course	3-4 10 1 4 18-19
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1 EMT 271 EMT-Paramedic Part 1 Clinical SP 111 Fundamentals of Public Speaking or higher Speech course Total Credits	3-4 10 1 4 18-19 Winter
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 16 Spring 4
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 16 Spring 4
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 3 16 Spring 4 4 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 16 Spring 4
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 3 16 Spring 4 4 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 16 Spring 4 4 3 3
CIS 101 Computer Fundamentals or CS 120 Concepts of Computing: Information Processing . EMT 270 EMT-Paramedic Part 1	3-4 10 1 4 18-19 Winter 10 3 3 16 Spring 4 4 3 3

Emergency Medical Technician

One-Year Certificate of Completion

Certificate of Completion was created as a statewide transfer tool. Some Oregon schools offer only the first year of the twoyear degree. The certificate of completion qualifies a student to participate in the process for entry into the second year (the "paramedic year") of the Paramedicine AAS offered throughout the state. Not all Oregon EMT schools participate in the Certificate of Completion transferability. Those planning to take the first year at Lane, then transfer to another college, should check with the EMT program coordinator for guidance.

Gainful Employment Disclosure

Standard Occupational Classification: 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

How many students complete the Emergency Medical Technician Statewide Certificate of Completion 1-year Certificate?

Three students completed this certificate in academic year 2011-12.

What was the on-time graduation rate for these students? Lane Community College is committed to protecting student pri-

Lane Community College is committed to protecting student privacy and does not publish this rate for ten or fewer graduates.

How many jobs are forecast in this occupation between 2010-20? Lane County: 4 positions

Statewide: 102 positions

What wages are forecast for this occupation?

Lane County average hourly - \$18.52; average annual - \$38,519 Oregon average hourly - \$18.43; average annual - \$38,331

How much will the program cost?

(Estimates based on 2012-13 data for full-time students. Students attending part-time will incur additional term fees. Consult Lane's website for updated tuition and fees.)

Resident tuition and fees	\$4,720
Differential fees*	438
Other program fees	1,287
Total Estimate	\$6,445

^{*} This is the total of all the differential fees attached to Emergency Medical Technician courses. These fees 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.

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What is the median loan debt incurred by students who completed the program in 2012?

Federal Loans Not disclosed
Institutional financing Not disclosed
(For privacy reasons under FERPA, loan information is not dis-
closed for programs with fewer than ten graduates.)

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. 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.

- ..

	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 Medical	
Services	3
Total Credits	17

BI 232 Human Anatomy and Physiology 2	Winter 4 3 5 4
Total Credits	16
BI 233 Human Anatomy and Physiology 3 EMT 169 EMT Rescue EMT 170 Emergency Response Communication/Documentation EMT 171 Emergency Response Patient	Spring 4 3
TransportationPSY 110 Exploring Psychology	2
HO 100 Medical Terminology 1	3
Total Credits	17

Physical Therapist Assistant

Offered by the Health Professions Division, 541.463.5617

Two-Year Associate of Applied Science Degree

Refer to lanecc.edu/custom/pathways/physicaltherapistassistant for AAS PTA degree career pathways.

Purpose Prepare the graduate to qualify for the National Physical Therapy Examination administered by the Federation of State Boards of Physical Therapy and practice as an entry-level, licensed physical therapist assistant (PTA).

Learning Outcomes Physical Therapist Assistant (PTA) program learning outcomes are defined by 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.
- 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.

Job Openings Projected through 2020

Statewide openings - 34 annually

Wages

Lane County average hourly - \$29.39; average annual - \$61,115 Oregon average hourly - \$25.65; average annual - \$53,338

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition and fees for prerequisite and program courses. Prerequisite costs will vary for transfer students.)

\$7,740
\$1,421
\$1,107
\$3,664

Total Estimate \$13,932

[†] This is the total of all the differential fees attached to Physical Therapist Assistant courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

More Cost Information Cooperative education courses will have additional costs for room and board, parking, and transportation to and from co-op sites. Students are responsible for costs associated with national examination and licensing.

Program Accreditation The Physical Therapist Assistant Program at Lane Community College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; phone: 703.706.3245; e-mail accreditation@apta.org; website: capteonline.org.

Licensing or Other Certification Graduates are eligible to take the National Physical Therapy Examination during fixed date testing.

Prerequisites PTA is a concentrated program with a heavy emphasis on on-line and blended learning. An applicant must complete a PTA application. The most current information regarding the curriculum, prerequisites, admission standards and procedures is available at *lanecc.edu/hp/pta*.

Admission Information Please consult *lanecc.edu/hp/pta/*.

Academic Advising/Counseling Registration in on-line (Moodle) Academic Advising for Physical Therapist Assistant is highly

recommended. Drop-in advising is available in Building 1, Room 103. E-mail 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, resulting in 648 hours of supervised clinical instruction at a program-designated co-op site. Contact Beth Thorpe, PTA Cooperative Education Coordinator, Bldg. 30, Rm. 108, 541.463.3274, thorpeb@lanecc.edu.

Program Coordinator Christina Howard, MPT, Health Professions, Building 30, Room 110, 541.463.5764, howardc@lanecc.edu

Course Requirements

- 1. Prerequisites are required for some courses. See course descriptions.
- All PTA courses must be completed with a letter grade of "C" or better to satisfy program requirements.
- 3. Non-PTA courses must be completed with a letter grade, not P/NP, and must be passed with a grade of Pass or "C" or better to satisfy program requirements.
- 4. No more than 16 credits with a grade of "Pass" are accepted.

4. No more than 16 credits with a grade of "Pass" are a	ccepted.
Prerequisites Required to Apply:	Credits
WR 121 Introduction to Academic Writing , higher writing, prior bachelor's degree, verified by transcript from US accredited institution	3-4 3 3-4
Choice of:	4-5 4
PSY 201 General Psychology PSY 202 General Psychology	4
Total Credits	17-20
Two-Year Associate of Applied Science Degree	
First Year	Fall
PTA 100 Introduction to Physical Therapy	3
PTA 101 Introduction to Clinical Practice 1	5
PTA 101L Introduction to Clinical Practice 1 Lab MTH 070 Introductory Algebra(or MTH 060 +MTH 065 or higher	2 5-8
Choice of:	3-4
·	
Total Credits	18-22
PTA 103 Introduction to Clinical Practice 2	Winter 5
PTA 103 Introduction to Clinical Practice 2 Lab	2
PTA 132 Applied Kinesiology 1	2
PTA 132L Applied Kinesiology 1 Lab	2
SP 115 Introduction to Intercultural Communication	4
Total Credits	15
	Spring
HE 262 First Aid 2 - Beyond the Basics	3
PTA 104 PT Interventions – Orthopedic Dysfunctions PTA 104L PT Interventions – Orthopedic Dysfunctions Lab	5
PTA 133 Applied Kinesiology 2	2 2
PTA 133L Applied Kinesiology 2 Lab	2

Second Year PTA 204 PT Interventions – Neurological	Fall
DysfunctionsPTA 204L PT Interventions – Neurological	5
Dysfunctions Lab	2
PTA 280A Co-op Ed: First Clinical Affiliation	6
Total Credits	13
	Winter
PTA 205 PT Interventions – Complex	
Medical Dysfunctions	4
Dysfunctions Lab	2
PTA 280B Co-op Ed: Second Clinical Affiliation	6
Human Relations Requirement	3
Total Credits	15
	Spring
PTA 200 Professionalism, Ethics and	
PTA 203 Contemporary Topics in Physical Therapy	4 2
PTA 280C Co-op Ed: Third Clinical Affiliation	6
Total Credits	12

Respiratory Care

Offered by Health Professions Division, 541.463.5617 Two-Year Associate of Applied Science Degree

Purpose To prepare graduates to demonstrate competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

Learning Outcomes The graduate will:

- provide age-specific treatment, management, control, and care of patients with deficiencies and abnormalities associated with respiration.
- provide patients with therapeutic use of medical gases, air and oxygen administering apparatus.
- appropriately use environmental control systems, humidification and aerosols, medications, ventilatory control.
- · provide pulmonary hygiene appropriate to patient's condition.
- perform cardiopulmonary resuscitation, and measures and maintenance of natural, artificial, and mechanical airways.
- use clinical decision skills to create appropriate patient care plans.
- use appropriate library and information resources to research professional issues and support lifelong learning.
- formulate questions that can be addressed with data, and collect, organize and present relevant data to answer them.

Job Openings Projected through 2020

Lane County openings - 6 annually Statewide openings - 50 annually

Wages

Total Credits

14

Oregon average hourly - \$28.73; average annual - \$59,752

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition and fees for prerequiste and program courses. Prerequisite costs will vary for transfer students.)

Resident Tuition and Student Fees	\$9,886
Differential Fees ‡	\$4,327
Student Equipment and Textbook Costs	\$1,730
Computer and Internet Service	\$1200
Other Program Costs	\$202

Total Estimate \$17,345

[‡]This is the total of all the differential fees attached to Respiratory Care courses. These fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Student health insurance is required in the program. This can be obtained through the student health insurance (information available at the student health clinic) or other health insurance providers. (Cost variable based on individual circumstances.) A physical examination, immunizations, and criminal background check are required for the program. Criminal background check must pass clinical affiliate criteria for student to participate in required clinical courses. (Cost of meeting these requirements can vary between \$250 and \$500.)

Costs incurred while in the program related to transportation and childcare, and post-graduate credentialing and state licensure, are not included in this estimate. Costs related to completion of program course pre-requisites are not included, Cost of travel to, and parking at, clinical affiliates varies with assignment. Licensure and post-graduate credentialing can cost up to \$730 depending on the level of credentialing and State Licensure Fees. For further information related to licensure process or fees in Oregon, contact: Oregon Health Licensing Agency, Respiratory Therapist Licensing Board 503.378.8667. Students should consider the additional costs of these requirements.

Licensing or Other Certification Exams Required Graduates are eligible to take the Entry-Level and Advanced Practitioner exams to obtain national credentialing as a Registered Respiratory Therapist. (National Board for Respiratory Therapy, 913.599.4200, nbrc.org). Successful completion of the Entry Level exam qualifies the graduate for state licensure as a Respiratory Care Practitioner. (Oregon State Respiratory Care Practitioner License - Oregon Health Licensing Agency, 503.378.8667, oregon.gov/OHLA/RT)

Admission Information The Respiratory Care Program blends on-line and on-campus learning activities. An applicant must complete a Respiratory Care Program application. The application information packet, submission timeline, and first-day enrollment requirements are found on the program web page, lanecc.edu/hp/rc

Prerequisites The most current information regarding the curriculum, program prerequisites, admission standards and procedures is available at *lanecc.edu/hp/rc*. Updates or changes to curriculum, prerequisites, or admission standards and procedures will be posted to program web page.

Prerequisite Courses for Program Application In order to apply for fall entry all applicants must complete the following minimum

prerequisites as indicated below. Other specialized program requirements will be described in acceptance materials.

- MTH 095 Intermediate Algebra (5 credits), or higher (4 or more credits) graded C- or better.
- CH 112 Chemistry for Health Occupations * and BI 112 Cell Biology for Health Occupations * (3 credits each), or 100-level or higher college chemistry course (5 credits or more) pass/no pass option okay, or grade equal to C- or better
- BI 231 Human Anatomy and Physiology 1 (4 credits) Graded "C-" or better
- HO 100 Medical Terminology 1 (3 credits) pass/no pass option okay, or grade equal to C- or better
- WR 121 Introduction to Academic Writing * (4 credits) pass/no pass option okay, or grade equal to C- or better

Prerequisite Courses for Program Entrance The following first day enrollment requirements must be completed, and approved documentation submitted, prior to enrolling in fall term program course. For more information, see *lanecc.edu/hp/rc*.

- BI 232 Human Anatomy and Physiology 2 (4 credits) (Graded "C-"or better)
- Evidence of a physical examination (within the previous nine months)
- CPR Certification for Health Care Professionals 2-year certification preferred
- Physical Exam
- · Proof of required immunizations
- · Criminal background check

Program Accreditation The Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care, corn

Cooperative Education (Co-op) Respiratory care students earn college credit for participation in job-related activities in respiratory care professional settings under direct supervision. Through Co-op, enrolled students develop skills, connect classroom theory with practice, expand career knowledge, and make contacts for potential future employment in respiratory care. Co-op may be taken as an optional elective, and is a required course as the clinical capstone ICU practicum course in the final term. Contact Norma Driscoll, Respiratory Care Co-op Coordinator, Bldg. 30, Rm. 210, 541.463.3176, driscolln@lanecc.edu

Counseling and Advising For assistance in meeting program or application requirements, please go to Counseling and Advising in Building 1, Room 103, or e-mail RCProgram@lanecc.edu. Registration in on-line (Moodle) Academic Advising for Respiratory Care is highly recommended. Drop-in advising is available in Building 1, Room 103.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. Human Relations and Health/PE choices are listed on the Associate of Applied Science degree page.
- 3. To enroll in RT 112, RT 114, or RT 146, a student must be accepted into the Respiratory Care program.
- 4. Clinical courses (RT 146, RT 248, RT 258, RT 268, RT 270) are available Pass/No Pass only. All other courses must be completed with a letter grade, not P/NP, to meet program requirements.

Program Coordinator Norma Driscoll, BS, RRT, 541.463.3176, driscolln@lanecc.edu

IWO- Tear Associate of Applied Science Degree	
First Year	Fall
BI 233 Human Anatomy and Physiology 3	4
RT 112 Respiratory Care Science	2
RT 114 Fundamentals of Respiratory Care	2
RT 146 Introduction to Clinical Respiratory Care	3
Human Relations requirement	3
The following are preferred:	Ū
CG 203 Human Relations at Work	
CG 191 Issues in Cultural Diversity	
HO 102 Diversity Issues in Health Care	
•	
Total Credits	14
	Winter
BI 234 Microbiology	4
RT 116 Basic Respiratory Assessment	2
RT 127 Respiratory Care Diseases and Medications	4
RT 141 Principles of Respiratory Care Lab	1
RT 144 Principles of Respiratory Care	3
· · · · ·	
Total Credits	14
	Spring
RT 126 Respiratory Care Case Review - Part 1	2
RT 236 Clinical Practice 1	8
RT 251 Pulmonary Diagnostics and Monitoring Lab	1
RT 254 Pulmonary Diagnostics and Monitoring	3
Total Credits	
lotal Credits	14
•	Summer
RT 110 Introduction to Mechanical Ventilation	3
RT 136 Respiratory Care Case Review - Part 2	4
RT 248 Clinical Practice 2	6
Total Credits	13
Second Year	Fall
RT 216 Respiratory Care Case Review - Part 3	2
RT 241 Principles of Mechanical Ventilation Lab	1
RT 244 Principles of Mechanical Ventilation	3
RT 258 Clinical Practice 3	8
Total Credits	14
	Winter
RT 256 Respiratory Care Case Review - Part 4	2
RT 262 Neonatal/Pediatric Respiratory Care	3
RT 266 Emergency and Critical Care - Part 1	3
RT 268 Clinical Practice 4	8
Total Credits	16
	Spring
Health/PE requirement	3
Preferred: HE 275 Lifetime Health and Fitness	_
RT 270 Clinical Competency Assessment	1
RT 274 Credentialing Topics	2
RT 276 Emergency and Critical Care - Part 2	2
RT 280 Co-op Ed: Respiratory Therapy	4
Arts and Letters	4
The following are preferred:	
SP 111 Fundamentals of Public Speaking	
SP 115 Introduction to Intercultural Communication	
SP 218 Interpersonal Communication	
SP 220 Communication, Gender and Culture	
Total Credits	16
	10

Optional courses each term:

RT 148 Advanced Placement Clinical Practice RT 298 Independent Study RT 280 Co-op Ed

Retail Management

Offered by the Business Department, 541.463.5221

Two-Year Associate of Applied Science Degree

Career Pathway Certificate of Completion

Purpose This two-year Retail Management Associate of Applied Science degree program provides a program of study for retail employees and for students who would like to advance to retail store supervision, store management, and be qualified to move forward into corporate leadership. This program represents skills identified by the retail industry at the statewide level, as represented by the Western Association of Food Chains.

Learning Outcomes The graduate of the Associate of Applied Science program will:

- understand the purpose, context, concepts, and processes of retailing and the retail environment and the responsibilities of the retail operations function.
- · understand various leadership styles.
- understand various ethical tools and the reasoning behind various ethical positions.
- determine appropriate and inappropriate interview, hiring, and employee supervision procedures.
- understand team-based, multicultural work force and the responsibilities of management in handling and motivating employees to achieve organizational objectives.
- apply leadership skills to achieve a motivational and productive culture and climate.
- understand the impact of technology on marketing and recognize how the major elements of the marketing process apply to actual marketing situations.
- define theories and strategies of business management, including human resources management and operations management.
- understand the basic terms and concepts of accounting, and the content of financial statements and be able to understand and interpret the information they contain.
- deliver well-organized, clear written and oral business presentations that inform, recommend, and train.
- prepare computations for industry requirements, including discounts and mark-ups, returns and allowances, and data to maintain good records.
- demonstrate proficiency with office suite products, including word processing, spreadsheets, database, communication, and presentation software.
- appreciate the significance of meeting employer/retailer needs in providing superior customer service and apply communication skills to improve customer service and work relationships.
- use appropriate library and information resources to research business topics.
- apply critical thinking and analytical skills in decision-making and problem solving.

Job Openings Projected through 2020

Lane County openings - 50 annually Statewide openings - 603 annually

Wages

Lane County average hourly - \$20.01; average annual - \$41,619 Oregon average hourly - \$19.17; average annual - \$39,870

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,377
Books and Materials	\$3,200

Total Estimate \$11,577

Retail Management courses fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Note All Business Department majors must have a computer that meets minimum system requirements. Contact the department or Academic Advisor for details.

Cooperative Education (Co-op) Co-op offers students graded college credit for on-the-job work experience related to educational and career goals. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for future employment. Three credits of Co-op are required for the AAS degree. Additional Co-op credit is strongly recommended as an elective. Contact Jamie Kelsch, Retail Management Co-op Coordinator, Bldg. 19, Rm. 253A, 541.463.5540, kelschj@lanecc.edu

Course Requirements

- Students must place at least into WR 121 and MTH 065, or take classes to reach these levels before enrolling in program courses.
- 2. 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 an electronic calculator (or numeric keypad). The Business Department offers free placement tests to assist students in determining their skill levels. Additional testing information and schedule details are available at: lanecc.edu/business/testing/keyboarding-skill-competency-recommendations
- 3. Before enrolling in BA 214 Business Communications, students must pass BT 108 Business Proofreading and Editing.
- 4. BA 224, WR 121, and HE 252 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. All other courses must be passed with letter grade of "C" or better to satisfy program requirements.

Required Prerequisite

BT 108 Business Proofreading and Editing	4
Total Required Prerequisite Credits	4

Retail Management

Two-Year Associate of Applied Science Degree

First Year	Fall
BA 101 Introduction to Business	4
BT 120 MS WORD for Business	3
CS 120 Concepts of Computing:	
Information Processing	4
Choice of:	4
SP 111 Fundamentals of Public Speaking	
SP 100 Basic Communication	
SP 130 Business and Professional Speech	
Total Credits	15
	Winter
BA 214 Business Communications	Winter 4
BA 214 Business Communications	
	4
BA 223 Marketing	4
BA 223 MarketingBA 224 Human Resource Management	4 4 3
BA 223 Marketing BA 224 Human Resource Management WR 121 Introduction to Academic Writing	4 4 3 4
BA 223 Marketing BA 224 Human Resource Management WR 121 Introduction to Academic Writing	4 4 3 4 15

Choice of: BT 165 Introduction to the Accounting Cycle BA 211 Financial Accounting	4
BT 206 Co-op Ed: Business Seminar	2 4
Total Credits	17
Second Year BA 278 Leadership and Team Dynamics BT 123 MS EXCEL for Business HE 252 First Aid SP 115 Intercultural Communication	Fall 4 4 3 4
Total Credits	15
BA 226 Business Law	Winter 4 4
	4
BT 221 Budgeting for Managers	4 4
BT 221 Budgeting for Managers	4 4 3 4

Retail Management

Career Pathway Certificate of Completion

Purpose This Career Pathway Certificate of Completion represents skills identified by the retail industry, as represented by the Western Association of Food Chains, which desires to provide a program of study for their employees and for students who would like to become retail employees. This program is recognized by retail employers and identifies skills that lead to professional growth, hiring, and advancement opportunities. This program is a body of study that prepares the student for retail sales and management responsibilities. Those who complete the program will be given preference in hiring, will be eligible for promotions, and will receive compensation to recognize their educational achievement.

Learning Outcomes The graduate will:

- understand the purpose of retailing and the retail environment and the responsibilities of the retail operations function.
- understand the advantages, disadvantages, and circumstantial uses of various leadership styles.
- understand various ethical tools and the reasoning behind various ethical positions.
- determine appropriate and inappropriate interview and hiring questions.
- understand the opportunities and challenges posed by a multicultural work force and the responsibilities of management in handling and motivating employees in the current business environment.
- understand the impact of technology on marketing and recognize how the major elements of the marketing process apply to actual marketing situations.
- define theories and strategies of business management, including human resources management and operations management.
- understand the basic terms and content of financial statements and be able to understand and interpret the information they contain.

- understand communication theory and give well-organized, clear business presentations that inform, recommend, and train.
- understand the basics of word processing, spreadsheets, database management, and internet communications.

Course Requirements All courses must be passed with letter grade of "C" or better to satisfy program requirements.

BA 101 Introduction to Business	Fall 4 4 4 4
Total Credits	16
BA 214 Business Communications	Winter 4 4 3
BA 249 Retailing	Spring 4 4 4
Total Credits	12

Sustainability Coordinator

Offered by the Institue of Sustainable Practices, 541.463.6160

Two-Year Associate of Applied Science Degree

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 Graduates 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.
- demonstrate skills in the use of computer programs and databases that track and measure.
- 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
 pollution 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.

Employment Trends Sustainability Coordinator is an emerging occupation for which State of Oregon historical data are not yet available. Market surveys of regional and statewide employers indicate job growth potential is significant and expected to increase.

Wages Based on Oregon Employment Department wage data for related occupations including environmental science technician, environmental engineering technician, life-physical-social science technician, and public relations specialist predicted average wages: Statewide hourly- \$20-\$23, Lane County hourly- \$19-\$22. Predicted entry-level wages are \$11-\$16 hourly.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$8,887
Books and supplies	\$2,500

Total Estimate \$11,387

Sustainability Coordinator course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Prerequisites/Application Requirements Students must qualify for MTH 095 and WR 121, either by placement testing or by completing prerequisite courses. Students are expected to be comfortable working on a computer. Students should consult with a counselor or advisor to plan a program of study.

Admission Information Students typically enter in fall term. For consent to enroll in certain major courses, students must attend a program orientation for fall term (dates available in Counseling or Enrollment Services). Contact advisor/counselor for possible entry in winter or spring terms. Contact the Advanced Technology Division, *AdvTechPrograms@lanecc.edu*

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. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- 2. All BI, DRF ECON, ENVS, and PS courses must be completed with a letter grade of "C-" or better.
- 3. All CG, MTH, WR, and BT 124 must be completed with a "C-" or better or Pass grade.
- 4. Department permission is required for SUST 101.

Two-Year Associate of Applied Science Degree

Two-Year Associate of Applied Science Degree	
First Year	Fall
WR 121 Introduction to Academic Writing	4
HE 255 Global Health and Sustainability	4
ENVS 181 Terrestrial Environment	4
GS104 Physical Science	4
Total Credits	16
	Winter
ENVS182 Atmospheric Environment and Population	4
SUST 101 Introduction to Sustainability	3
CG 203 Human Relations at Work	3
CH 104 Introductory Chemistry	5
Total Credits	15
	Spring
BI 103J General Biology: Forest EcologyBI 103M General Biology: Biodiversity and	4
Sustainability ECON 260 Introduction to Environmental and	4
Natural Resource Economics: Water	4
ENVS 184 Global Climate Change	4
Total Credits	16
Second Year	Fall
MTH 095 Intermediate Algebra	5
BT 123 MS Excel for Business	4
WR 227 Technical WritingWATR 202 Fostering Sustainable Practices	4
VAIN 202 Postering Sustainable Practices	
Total Credits	16
	Winter
MTH 105 Introduction to Contemporary Mathematics	4
PS 297 Environmental Politics ECON 250 Class, Race and	4
,	
Gender in the US Economy	4
Gender in the US Economy CST 201 Sustainable Building Practices	3
Gender in the US Economy CST 201 Sustainable Building Practices IDS 206S Co-op Ed: Sustainability Coordinator Seminar	-
Gender in the US Economy CST 201 Sustainable Building Practices	3
Gender in the US Economy	3
Gender in the US Economy	3 1 16 Spring
Gender in the US Economy	3 1 16 Spring 1 3
Gender in the US Economy	3 1 16 Spring 1 3 4
Gender in the US Economy	3 1 16 Spring 1 3
Gender in the US Economy	3 1 16 Spring 1 3 4 3

Water Conservation Technician

Offered by the Institute of Sustainable Practices, 541.463.6160

Two-Year Associate of Applied Science Degree

Purpose This degree prepares students to enter careers in the water field as water efficiency technicians and workers, coordinators, specialists or managers or as water management specialists and technicians. The program prepares students to design, implement and evaluate water conservation programs. Upon successful completion of the program students will have the opportunity to seek professional certification.

Learning Outcomes The graduate 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 water conservation programs.
- 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 as well as 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.

Employment Trends The annual projected number of openings in Oregon is growing moderately and in the future will grow rapidly along with population growth. In addition to openings resulting from growth, the need to replace retirees or those who transfer to other occupations will provide numerous job openings. Graduates must consider the entire nation for job placement as those that do will enhance their opportunities.

Wages in Oregon range from \$32,000 to \$48,500 annually plus benefits.

Costs (estimate based on 2012 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.

Admission Requirements A high school diploma (or equivalent) and completion of Math 065 or 070 with a grade of C, and turned in a completed Water Program application form. This is a limited enrollment program.

Admission Information 541.463.6161, Downtown Campus Room 406, youngg@lanecc.edu or 541.463.6160, Downtown Campus 412-A, ebbager@lanecc.edu

Program Information Roger Ebbage, 541.463.6160 or Ginny Young 541.463.6161

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. Contact Gerry Meenaghan, Cooperative Education Coordinator, Bldg. 19, Rm. 231A, 541.463.5883.

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- All WATR courses except WATR 102 and 280 require instructor permission.
- 3. MTH 095 must be completed before spring term of the first year $\,$
- 4. WATR 280 Co-op Ed may also be taken during summer term.
- Directed electives, Writing, Health/PE, CG 203 and ECON 260 can be taken any term.

- 6. See catalog for Health/PE choices in AAS degree requirements.
- 7. All courses must be taken for a letter grade except CG203, ENVS181, GIS 151, Health/PE, WATR 102, WATR 206, WATR 222, and WATR 280.
- 8. All courses must be passed with a "C-" or better except ENVS 181, GIS 151, Health/PE, MTH 095, WATR 102, WATR 222, and WR.

First Year	Fall
WATR 101 Intro to Water Resources	3
BT 123 MS Excel for Business	4
	4
WR 121 Composition: Introduction to	
Academic Writing	4
WATR 102 Water Careers: Exploration	4
GIS 151 Digital Earth	4
T . 10 . 15	
Total Credits	19
	\A/:4
01107 4041 4 4 6 4 1 1 1 111	Winter
SUST 101 Intro to Sustainability	3
WATR 105 Water Conservation: Residential	4
MTH 095 Intermediate Algebra or higher	5
WR 227 Technical Report Writing	4
WATR 206 Co-op Ed: Water Conservation Seminar	1
Choice of:	1
	'
Physical Education Activity Requirement	
Health requirement	
Total Credits	18
	Spring
WATR 107 Water Conservation: Outdoor	4
ECON 260 Introduction to Environmental and Natural	•
	4
Resource Economics	4
ENVS 181 Terrestrial Environment	4
CG 203 Human Relations at Work	3
Choice of:	2
Physical Education Activity Requirement	
Health requirement	
-	
Total Credits	17
Second Year	Fall
WATR 210 Water Conservation: Industrial,	Ган
Commercial	4
WATR 208 Water Conservation: Agricultural	4 4
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation	4 3
WATR 208 Water Conservation: Agricultural	4 3 3 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation	4 3 3
WATR 208 Water Conservation: Agricultural	4 3 3 3 17
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits	4 3 3 3 17 Winter
WATR 208 Water Conservation: Agricultural	4 3 3 3 17 Winter 4
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices	4 3 3 3 17 Winter
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar	4 3 3 3 17 Winter 4
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar	4 3 3 3 17 Winter 4 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar WATR 220 Water Conservation Program	4 3 3 3 17 Winter 4 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar WATR 220 Water Conservation Program Development WATR 280 Co-op Ed: Water Conservation	4 3 3 3 17 Winter 4 3 1
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar WATR 220 Water Conservation Program Development	4 3 3 3 17 Winter 4 3 1
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar WATR 220 Water Conservation Program Development WATR 280 Co-op Ed: Water Conservation	4 3 3 3 17 Winter 4 3 1 4 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy WATR 280 Co-op Ed: Water Conservation Directed electives Total Credits GIS 245 GIS 1 WATR 202 Fostering Sustainable Practices WATR 206 Co-op Ed Water Conservation Seminar WATR 220 Water Conservation Program Development WATR 280 Co-op Ed: Water Conservation	4 3 3 3 17 Winter 4 3 1 4 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1 4 3
WATR 208 Water Conservation: Agricultural	4 3 3 3 17 Winter 4 3 1 4 3 5 Spring
WATR 208 Water Conservation: Agricultural	4 3 3 3 17 Winter 4 3 1 4 3 5 Spring
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1 4 3 5 Spring
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1 5 Spring 4 4 4 3
WATR 208 Water Conservation: Agricultural WATR 261 Regional Water Policy	4 3 3 3 17 Winter 4 3 1 4 3 5 Spring
WATR 208 Water Conservation: Agricultural	4 3 3 3 17 Winter 4 3 1 5 Spring 4 4 4 3
WATR 208 Water Conservation: Agricultural	4 3 3 17 Winter 4 3 15 Spring 4 4 4 3 3

Restricted Electives:

ECON 200 - Principles of Economics: Introduction to Economics ECON 201 - Principles of Economics: Introduction to Microeconomics

ECON 202 - Principles of Economics: Introduction to Macroeconomics

ED 100 - Introduction to Education

ENVS 182 - Atmospheric Environment and Population

ENVS 183 - Aquatic Environment

ENVS 184 - Global Climate Change

SOC 206 - Institutions and Social Change

SP 100 - Basic Communication

SP 105 - Listening and Critical Thinking

SP 111 - Fundamentals of Public Speaking

SP 112 - Persuasive Speech

SP 115 - Introduction to Intercultural Communication

SP 130 - Business and Professional Speech

GIS 245, GIS 246, GIS 260

Any Business Administration (BA) or Business Technology (BT) classes

Any Energy Management (NRG) classes

Any Spanish (SPAN) Language classes

Any Graphic Design (GD), Multimedia (MUL) or Multimedia Production (MDP) classes

Any Landscape/Nursery Technology (LAT)

Any Geographic Information Science (GIS) classes

Watershed Science Technician

Offered by the Science Division, 541.463.5446

Two-Year Associate of Applied Science Degree

Purpose The Watershed Science Technician program will train graduates for entry-level positions in environmental sustainability careers related to conserving, enhancing, restoring and protecting ecological processes in watersheds (stream drainage basins). Graduates will be able to work in multidisciplinary fields that survey and assess watersheds and develop strategies and solutions to maintain and restore healthy water resources. This curriculum prepares students to work in the following jobs: watershed resource conservation professionals; stream restoration or water quality technicians; assistant stream ecologists; assistant forest ecologists; environmental technicians; or natural resource specialists for public agencies, non-governmental organizations, nonprofit conservation and restoration organizations, consulting firms, and private restoration companies.

Learning Outcomes The graduate will:

 demonstrate use of concepts and principles of ecological processes and their interdisciplinary connections that influence the practice of watershed science, including:

Hydrologic Processes and Watersheds Erosion, Sedimentation, Water Quality **Ecology of Aquatic and Wetland Environments Ecology of Terrestrial Environments**

- · identify common species, ecosystems and ecological processes relevant to watershed assessments, with an emphasis on the Pacific Northwest.
- perform field identification, field test procedures and ecological surveys using proper, precise, and safe application of measurement tools and technologies.
- utilize intermediate algebra skills, computer programs, databases, and basic geographic information systems to collect, organize, interpret and communicate watershed data.
- apply standard water management approaches and best practices to develop effective conservation and management strategies to meet watershed goals.
- communicate effectively and accurately with supervisors, colleagues, funding agencies and the public using the spoken and written word and visual representations of information.
- use appropriate library and information resources to research professional issues and support lifelong learning and job advancement.

Employment Trends Watershed Science Technician is an emerging career. Related occupations such as Forest and Conservation Technicians, Environmental Science and Protection Technicians, Conservation Scientists, Zoologists and Wildlife Biologists and hydrologists are estimated to have 9% to 29% growth nationally and 0.4 to 12.6% growth in Oregon over the next decade. Forest and Conservation Technicians alone are expected to have 12 regional openings per year and 171 annual openings in Oregon as a whole.

Surveys of professionals in the natural resource protection field indicate that jobseekers entering the field of Watershed Science Technician with hands-on experience and relevant field skills will be at an advantage for employment and job advancement. Students must consider the entire Pacific Northwest when seeking employment, as those willing to relocate will have greater opportunities.

Wages A fulltime beginning technician's salary may range from \$24,660 to \$38,480 annually.

Costs (Estimate based on 2012 tuition and fees. Consult Lane's website for updated tuition.)

Resident Tuition and Student Fees	\$9,550
Other Course/Program Costs	\$800

Total Estimate \$10,350

Watershed Science Technician course fees and other course fees may change during the year - see the online credit class schedule for fees assigned to courses.

Program Admission Requirements A high school diploma (or equivalent); completion or math placement tests scores for Math 065 or Math 070; completion or writing placement tests scores for WR 115 or above; and, a completed Watershed Science Technician Program application form. Application forms will be accepted beginning Aug. 1 and continuing through Nov. 30, annually. Students may begin Fall term courses in the program prior to submitting an application. This is a limited enrollment program.

Program Information Science Office, 541.463.5446, Denise Elder, *elderd@lanecc.edu*.

Cooperative Education (Co-op) Cooperative Education is a required and important part of the Watershed Science Technician Program. Through Co-op students connect theory and practice, develop skills, expand career knowledge, and make contacts for the future. Co-op learning sites and hours vary. Contact Sarah Whitney, Cooperative Education Coordinator, DCA, Rm. 412H, 541.463.6167.

Prerequisite Courses

BT 123 MS Excel for Business or equivalent skills and knowledge

Course Requirements

- Prerequisites are required for some courses. See course descriptions.
- ENVS, BI and GIS prefix and GIS 101 courses meet the AAS Science/Math/Computer Science discipline studies requirement and are also AAOT transfer courses.

First Year	Fall
GS 101 General Science: Nature of the Northwest	
GS 102 General Science: Introduction to	
Watershed Field Methods	
MTH 095 Intermediate Algebra or higherWATR 101 Introduction to Water Resources	
WATR 102 Water Careers Exploration	
Total C	Credits 18
	Winter
ENVS 181 Terrestrial Environment	4
GIS 151 Digital Earth	
Human Relations (see approved list below)SUST 101 Introduction to Sustainability	
WR 121 Introduction to Academic Writing	
	Credits 18
	Spring
BI 103F General Biology: Wildflowers of Oregon	
ENVS 183 Aquatic Environment	
WATR 222 Stormwater Best Management Practices	s 4
WST 205 Soils Field MethodsWST 206 Co-op Ed: Watershed Science	2
Technician Seminar	2
Total C	Credits 16
Second Year	Fall
BI 103J General Biology: Forest Ecology	4
WATR 261 Regional Water Policy	
WST 225 Riparian Field MethodsWST 226 In-stream Field Methods	2
WR 227 Technical Writing	
Total C	Credits 15
	Winter
GIS 245 GIS 1	
HE 255 Global Health and Sustainability	
WATR 202 Fostering Sustainable PracticesWST 230 Watersheds and Hydrology	
WST 280 Co-op Ed: Watershed Science Technician	
Total C	Credits 18
	Spring
GIS 246 GIS 2	
WST 234 Watershed Best Practices	
WST 280 Co-op Ed: Watershed Science Technician Choice of Field Methods:	
WST 221 Invasive Species Field Methods (1 credit	
WST 222 Threatened and Endangered Species Fie	ld
Methods (1 credit) WST 222 Proiries to Woodlands Field Methods (2)	aradita)
WST 223 Prairies to Woodlands Field Methods (2 of WST 224 Wetland Field Methods (2 credits)	creatts)
	— — —

Total Credits 15-17

Approved Human Relations choices:

BT 112 Team Building Skills

CG 100 College Success

CG 203 Human Relations at Work

GEOG 142 Introduction to Human Geography

PS 213 Peace and Conflict Studies: Local

SOC 204 Introduction to Sociology

SOC 206 Institutions and Social Change

SOC 207 Women and Work

WS 101 Introduction to Women's Studies

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Transfer Plans

Note Transfer plans in this section are for students planning to earn a transfer degree (AAOT, AS, AGS) with electives concentrated in major subject. These plans represent only some of the majors students may pursue at a four-year college or university. For a more complete list of transfer majors, see page 48, contact Counseling and advising, 541.463.3200, or see lanecc. edu/counseling.

Major requirements for first- and second-year coursework vary from college to college, so transfer student must consult with advisors or counselors at Lane and also at the intended transfer institution to optimize course choices at Lane.

American Indian Experience

Offered by Multiple Departments

Transfer Plan

This transfer plan offers students courses with focus on American Indian Languages, Art, Anthropology, Biology, Cooperative Education, Ethnic Studies, and Literature.

These courses provide needed credits for graduation with an AAOT and transfer opportunities, and a supportive and community environment. Students who directly benefit from these offerings include:

- students who wish to study an American Indian language as their language requirement at a four-year college or university
- students who plan to study Native American (or American Indian)
 Studies at a four-year college or university
- students who prefer that their educational experience be less institutional and more in keeping with American Indian culture and tradition
- anyone who has a strong interest in American Indian cultures, histories, languages, or literatures

A notable feature of this transfer plan is the opportunity to participate in two excellent Learning Communities. Learning Communities link subjects and classes to integrate assignments and ideas. Students work closely with and learn from both faculty and peers to gain deeper understanding of the combined subject matter. These Learning Communities are:

Native Circles An entry for students into career planning and college success accomplished in an American Indian cultural context.

Reconnecting with Nature BI 103G Global Ecology; REL 243 Nature, Religion, and Ecology; and PS 297 Environmental Politics. Exploration of reconnecting with nature from the perspectives of science, spirituality, and political activism.

This transfer plan offers the following disciplines and course sequences:

American Indian Languages

AlL 100 Foundations of American Indian Languages

AIL 101 Chinuk Wawa – first year

AIL 102 Chinuk Wawa - first year

AIL 103 Chinuk Wawa - first year

Successful completion of two terms of first-year courses fulfills the Oregon University System's language requirement for admission to state universities.

AIL 201 Chinuk Wawa - second year

AIL 202 Chinuk Wawa - second year

AIL 203 Chinuk Wawa - second year

Successful completion of this second-year series of courses will fulfill the AAOT Arts and Letters requirement and the Oregon University System's language requirement for graduation.

AlL 280 Cooperative Education, integrates classroom learning with field experience

ART 203 Survey of American Indian Art and Architecture: North and Central America - fulfills the AAOT Arts and Letters requirement

Anthropology (fulfill the AAOT Social Science and Cultural Literacy requirements)

ANTH 231 American Indian Studies, northeastern and southeastern states

ANTH 232 American Indian Studies, central and southwestern states

ANTH 233 American Indian Studies, west of the Rockies

Biology (fulfills the AAOT Science requirement)

BI 103G Global Ecology, examine nature through Indian eyes and western science

Ethnic Studies (fulfill the AAOT Social Science and Cultural Literacy requirements)

ES 211 Chicano/Latino Experience: Historical and Ideological ES 241 Native American Experience: Consequences of Native Americans and European Contact

ES 242 Native American Experience: 19th Century Federal-Indian Relations

ES 243 Native American Experience: Contemporary Native American Issues

Literature (fulfill the AAOT Arts and Letters and Cultural Literacy requirements)

ENG 232 Native American Literature SLD 244 Native American Storytelling

Human Relations (for AAS degrees) and **Social Science** (for AS and AGS degrees)

CG 101 Native Circles: College Success Native American Style

Additional courses needed for the AAOT Degree:

AAOT Arts and Letters requirement	3-9
AAOT Electives (enough to bring total credits to 90)	Varies
AAOT Health/Wellness/Fitness requirement	3
AAOT non-lab Science, Math, Computer	
Science requirement	3-4
AAOT Oral Communication requirement	4
AAOT Science with lab requirement	8
MTH 105 Introduction to Contemporary Mathematics	4
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research	4

Important American Indian support at Lane Community College is provided by:

- Native American Program, a program dedicated to counseling Lane's American Indian and Alaska Native students.
- Native American Student Association (NASA), an America Indian student organization and club open to all students that fosters traditional values and unity among students
- Longhouse: Lane Community College has an American Indian long house on campus for Native programs and activities
- Rites of Passage: Umista is a Summer Academy for Native American youth in middle and high schools

For more information, contact:

James Florendo, 541.463.5238, florendoj@lanecc.edu Jeff Harrison, 541.463.5145, harrisonj@lanecc.edu Michael Sámano 541.463.5186, samanom@lanecc.edu Drew Viles, 541.463.5480, vilesa@lanecc.edu Carol Watt, 541.463.5749, wattc@lanecc.edu

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Prerequisites are required for some courses. See course descriptions.

Art Transfer

Offered by the Arts Division, 541.463.5409

Two-Year Associate of Arts Oregon Transfer Degree

This curriculum is designed for the student who intends to complete requirements for an Associate of Arts Oregon Transfer (AAOT) degree and transfer to a four-year university with a major in Art. Detailed information about the AAOT can be found under the Degrees and Certificates section of the catalog.

The curriculum is comprised of general education requirements, major requirements and electives. Completion of the AAOT degree will satisfy all the lower division (freshman and sophomore) general education requirements at any four-year public university in the state of Oregon. Completion of the Art courses listed below will typically satisfy lower division Art major requirements for most schools. Some Art programs may require additional coursework. Students planning to transfer to private art colleges or out-of-state schools should consult with an advisor at the intended transfer college to select appropriate courses at Lane.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission

to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

It is very important for each student to work closely with Lane's Arts advisors as well as advisors at an intended transfer school to tailor this curriculum to meet the specific requirements of the desired transfer institution. Many transfer schools require a separate application to the Art major that also includes a portfolio. Students are encouraged to begin their transfer planning one year prior to the date of transfer.

Since requirements at transfer schools may change after the catalog has been printed, students are encouraged to refer to online advising resources for Arts and Related Majors by clicking on the Academic Advising tab within Moodle (*academicadvising*. *lanecc.edul*). Please follow the directions to enroll.

Many students do not place directly into college transfer level writing or math. Consult with an academic advisor or counselor for a review of your placement test results and the appropriate sequence of courses to reach writing and math needed for the AAOT degree. Students needing to take preparatory courses will need to plan for additional credits and/or terms at Lane prior to transfer.

For planning purposes it is best to apply for transfer admission, program admission and financial aid by January 15th of the desired transfer year. Check specific transfer program for application deadlines.

See AAOT degree course list for classes that satisfy the Cultural Literacy requirement.

First Year WR 121Intro to Academic Writing Choice of MTH 105 Introduction to Contemporary Math MTH 111College Algebra	Fall 4 4-5
ART 115 Basic Design: Fundamentals	3
ART 131 Introduction to Drawing	3
AAOT Health/Wellness/Fitness	1
Total Credits	15-16
	Winter
Choice of	4
AAOT Social Science	3
ART 117 Basic Design: 3-Dimensional	3
ART 231 Intermediate Drawing(Or other advanced drawing class based on transfer school	3
requirements) AAOT Health/Wellness/Fitness	1
Total Credits	14

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Spring	
AAOT Oral Communication requirement	4
AAOT Social Science	3
ART 116 Basic Design: Color	3
AAOT Science with lab	4-5
AAOT Health/Wellness/Fitness	1
Total Credits	15-16
Second Year	Fall
ART 204 History of Western Art	3
ART Studio Class based on transfer school requirements	3
AAOT Science with lab	4-5
AAOT Social Science with Cultural Literacy	3
AAOT Elective or Foreign Language as needed	3-5
Total Credits	16-19
	Winter
ART 205 History of Western Art	3
ART Studio Class based on transfer school requirements	3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5
ART Studio Class based on transfer school requirements AAOT Science with lab AAOT Arts and Letters (not ART prefix)	3 3 4-5 3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5
ART Studio Class based on transfer school requirements AAOT Science with lab AAOT Arts and Letters (not ART prefix)	3 3 4-5 3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring 3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring 3 3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring 3 3 3-4
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring 3 3 3-4 3
ART Studio Class based on transfer school requirements AAOT Science with lab	3 3 4-5 3 3-5 16-19 Spring 3 3 3-4

Aviation Technology

Offered by Lane Aviation Academy, 541.463.4195

Transfer Plan

The curriculum outlined is a transfer plan for students preparing for a transfer degree and aviation careers. Examples of aviation career fields are professional pilots, managers, airways sciences (air traffic control) or air transportation security. Completion of these courses leads to an Associate of Arts Oregon Transfer Degree, with coursework appropriate for a baccalaureate major in aviation fields. Students intending to transfer to an Oregon university should consult with their career counselors for a specific transfer plan.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Choose from the list of approved courses for the AAOT Cultural Literacy requirement if this requirement has not been met.

Oregon four-year public universities accept up to 12 credits of Career Technical courses (like FT and AS courses) toward a Bachelor's degree.

Prerequisites are required for some courses. See course descriptions. Students will need to complete prerequisites for mathematics and economics courses prior to enrolling.

Two-Year Core Curriculum

First Year	Fall
FT 102 General Aviation Careers	1
FT 103 Aircraft Development	4 3-4
PSY 201 General Psychology or	3
SOC 204 Introduction to Sociology	
WR 121 Introduction to Academic Writing	4
HE 275 Lifetime Health and Fitness	3
AS 111 Air Force Today (optional)	(1)
Total Credits	18-20
	Winter
ECON 201 Principles of Economics: Microeconomics	3
GEOG 142 Introduction to Human Geography	4
SP 111 Fundamentals of Public Speaking	4
WR 122 Composition: Argument, Style and Research CG 203 Human Relations at Work	4 3
AS 120 Leadership Laboratory (optional)	(1)
Total Credits	18-19
	Spring
ECON 202 Principles of Economics: Macroeconomics	3
SP 112 Persuasive Speech	4
FT 130 Primary Flight Brief	3
Arts and Letters Requirement	4
_	
Total Credits	14
Second Year	14 Fall
Second Year BA 101 Introduction to Business	Fall
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter 4 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter 4 4 3
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra WR 227 Technical Writing AS 211 Development of Air Power (optional) Total Credits PH 102 Fundamentals of Physics MTH 243 Introduction to Probability and Statistics FT 254 Aerodynamics GS 109 Meteorology. Total Credits	Fall 4 5 4 (1) 13-14 Winter 4 3 5 16 Spring
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra WR 227 Technical Writing AS 211 Development of Air Power (optional) Total Credits PH 102 Fundamentals of Physics MTH 243 Introduction to Probability and Statistics FT 254 Aerodynamics GS 109 Meteorology Total Credits PH 103 Fundamentals of Physics	Fall 4 5 4 (1) 13-14 Winter 4 4 3 5 16 Spring 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra	Fall 4 5 4 (1) 13-14 Winter 4 3 5 16 Spring 4 3
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra	Fall 4 5 4 (1) 13-14 Winter 4 4 3 5 16 Spring 4 3 4
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra	Fall 4 5 4 (1) 13-14 Winter 4 4 3 5 16 Spring 4 3 4 3
Second Year BA 101 Introduction to Business PH 101 Fundamentals of Physics MTH 111 College Algebra	Fall 4 5 4 (1) 13-14 Winter 4 4 3 5 16 Spring 4 3 4

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Biology Transfer

Offered by Science Division, 541.463.5446

Transfer Plan for Associate of Science and **Associate of Arts Oregon Transfer degrees**

This transfer plan is for students interested in pursuing a bachelor's degree in biology. Lane Community College offers the first two years of college core science and general education courses needed for most biology majors. The transfer plan shown below includes lower division general education requirements needed for a degree at a public university in Oregon.

Many Lane biology students transfer to the University of Oregon (U of O), and many have continued successfully at other colleges and universities. Students who wish to complete all of the lower division general education requirements for U of O before they transfer may earn an Associate of Science (AS) degree or an Associate of Arts Oregon Transfer (AAOT) degree while at Lane. In addition to the U of O general education and biology core requirements, only a few additional credits are required to earn the AS or AAOT degree from Lane. See Lane's Science academic advisor or counselor for more information.

Associate of Science (AS) and Associate of Arts Oregon Transfer (AAOT) degree plan for Biology Transfer Students to the University of Oregon The following plan for Biology students satisfies the requirements for an Associate of Science degree or the Associate of Arts Oregon Transfer degree from Lane Community College, including all required Biology and all necessary general education courses. Completing all courses may take longer than two years.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Additionally, the general education courses in this transfer plan will satisfy all of the lower division general education requirements for graduating from the University of Oregon. Requirements can change, so it is critical that you see one of Lane's Science advisors for assistance in choosing these specific courses to ensure that they meet both Lane and the U of O requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Students who are prepared to begin Calculus in their first year should substitute MTH 251 and MTH 252 (Calculus 1 and 2) for the mathematics courses listed below. These students can complete the requirements for either the AS or AAOT degree in two years by adding one or two summer terms to their course plans. Students should consult with Lane's Science academic advisor or counselor for assistance in course planning.

Prerequisites are required for some courses. See course descriptions.

See AS degree requirements for approved Arts and Letters, Speech, and Social Science courses; and see Biology academic advisor for course selection assistance.

See AAOT degree requirements for approved Health/Wellness/Fitness, Arts and Letters and Social Science courses. One Arts and Letters or Social Science course must also satisfy the AAOT Cultural Literacy requirement.

AAOT degree courses must be completed with a minimum grade of Pass or C-. There is a minimum 2.0 GPA requirement for graduation.

Associate of Science degree or AAOT degree at Lane.

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Arts and Letters requirement (for AS or AAOT)	3-4
Arts and Letters requirement (for AS or AAOT)	3-4
Arts and Letters requirement (for AS or AAOT)	3-4
BI 211 Principles of Biology	4
BI 212 Principles of Biology	4
CH 221 General Chemistry 1	5
CH 222 General Chemistry 2	5
CH 223 General Chemistry 3	5
CH 241 Organic Chemistry	5
CH 242 Organic Chemistry	5
CH 243 Organic Chemistry	5
Choice of:	4
BOT 213 Principles of Botany	
Z 213 Principles of Zoology	
Health/Wellness/Fitness	3
MTH 097 Geometry (if needed)	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
MTH 251 Calculus1 (Differential Calculus)	5
MTH 252 Calculus 2 (Integral Calculus)	5
PH 201 General Physics	5
PH 202 General Physics	5
PH 203 General Physics	5
Social Science (for AS or AAOT)	3-4
Social Science requirement (for AS or AAOT)	3-4
Social Science requirement (for AS or AAOT)	4
Social Science requirement (for AS or AAOT)	3-4
Speech (for AAOT or AS Arts and Letters)	4
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research	4

Business Administration and Accounting Transfer

Offered by the Business Department, 541.463.5221

Lane Community College offers lower division Business major and general education courses for most Oregon public universities, and some private four-year colleges and Business schools. General Education requirements can be completed with an Associate of Arts Oregon Transfer degree, an Associate of Science Oregon Transfer: Business degree, or a Direct Transfer plan. Direct Transfer plans are different for each four-year university and do not qualify for federal financial aid. Information about Lane's Associates degrees and Direct Transfer plans can

be obtained from Lane's Business Academic Advising team. Additionally, the Academic Advising team can provide information about Lane's equivalent Business lower division major courses for the various Business schools.

Admission to Oregon Business schools is competitive and most programs have limited enrollment. Students are encouraged to prepare for application to more than one four-year college. Many of these programs require: 90 transferable credits; specific grade point average for overall transfer credits; specific grade point average for lower division major requirements; completion of specific freshman and sophomore major requirements; a separate program application; and interviews and/or essays. These requirements vary for each Oregon four-year Business school.

Please note Business majors will need to be at a WR 121 level before starting Business courses and at a Math 111 level before starting Economics courses to be successful in the major requirements.

The AAOT and ASOT-Business degrees require 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. or ASOT-Business degree. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements. GPA requirements for admission to Business schools may be different than the 2.0 GPA required for OUS undergraduate admission.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Consult with an Academic Advisor or Counselor to determine whether or not you need to take college level second language. AAOT and ASOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes.

Computer Science Transfer

Offered by the Computer Information Technology Department, 541.463.5221

Transfer Plan

This is a transfer plan for students interested in pursuing a bachelor's degree in computer science.

Lane Community College offers the first two years of college core computer science and general education courses needed for computer science major disciplines. The AAOT transfer plan shown below includes lower division general education requirements accepted for a degree at a 4-year state institution in Oregon. Certain computer science degree options may require additional courses. Most Lane students transfer to the University of Oregon or Oregon State University, but many have continued successfully at other well-known schools. At the earliest

opportunity, an interested student should meet with one of Lane's Computer Science program advisors. A well-planned transfer plan at Lane is essential to ensure a smooth transition to a university. In addition, it is very important for a transfer student to consult the computer science advisor at the specific intended transfer college or university.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

See Associate of Arts Oregon Transfer (AAOT) Degree for courses that meet AAOT requirements.

One Arts and Letters or Social Science course needs to meet the AAOT Cultural Literacy requirement.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

All courses except AAOT Arts and Letters, AAOT Social Science and CIS 125D must be taken for a letter grade, not P/NP.

UO also allows other science sequences, including CH 221, CH 222, CH 233 or BI 211, BI 212, BOT/Z 213

Discrete Math 3 is not required at OSU.

See the Lane academic advisor for more specific information.

Transfer Plan

AAOT Arts and Letters requirements	9-12
AAOT Health/Wellness/Fitness requirement	3
AAOT Social Science requirements	12-16
CIS 125D Software Tools 1: Databases	4
CS 160 Orientation to Computer Science	4
CS 161J or CS161C+ Computer Science 1	4
CS 162J or CS162C+ Computer Science 2	4
CS 260 Data Structures	4
CS 271 Computer Architecture and Assembly	
Language	4
CS 275 Database Program Development	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
MTH 231 Discrete Mathematics 1	4
MTH 232 Discrete Mathematics 2	4
MTH 233 Discrete Mathematics 3	4

MTH 251 Calculus 1	5
MTH 252 Calculus 2	5
MTH 253 Calculus 3	5
PH 211 General Physics w/Calculus	5
PH 212 General Physics w/Calculus	5
PH 213 General Physics w/Calculus	5
SP 111 Fundamentals of Public Speaking	4
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and	
Research	4
WR 227 Technical Writing	4

Total Credits 119-126

Criminal Justice Transfer

Offered by Social Science Division, 541.463.5427

Associate of Arts Oregon Transfer (AAOT) Degree

This plan is for students who want an AAOT degree and plan to major in criminal justice or criminology at a 4-year Oregon university. Students may also earn an Associate of Applied Science (AAS) degree in Criminal Justice by completing an additional 22 credits beyond those required for the AAOT Degree (see Notes following the transfer plan for specific course suggestions for the AAS degree).

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

This outline is current at the time this catalog was printed, and is subject to change. Be sure to contact an academic advisor or program counselor for any updates that may have occurred after this catalog went to print.

First Year CJA 100 Introduction to Criminal Justice 1	Fall 3 3 4 4
Total Credits	14
AAOT Lab science	Winter 4
CJA 110 Introduction to Criminal Justice 2	3
SOC 205 Social Stratification and Social Systems	3
AAOT Arts and Letters	3
WR 122 Composition: Argument, Style and Research	4
-	

CJA 101 Introduction to Criminology	Spring 3 3 4 3
HE 252 First Aid HE 275 Lifetime Health and Fitness AAOT Lab Science	4
Total Credits	17
Second Year CJA 213 Interviewing and Interrogation CJA 220 Introduction to Criminal Law PS 201 U.S. Government and Politics	Fall 3 3 4
ANTH 103 Cultural Anthropology	4
Total Credits	18
CJA 222 Criminal Law: Procedural Issues	Winter 3 4 3-4 4
Total Credits	14-15
MTH 111 College Algebra	Spring 5 3 4 3
Total Credits	15

Total credits: 92-93

Students who also want to earn an AAS Degree in Criminal Justice need to complete an additional 22 credits beyond the AAOT degree requirements listed above. For the AAS degree, these credits should include:

a) Two Directed Electives from list below

	Credits
CJA 232 Correctional Casework	3
CJA 210 Criminal Investigation 1	3
CJA 214 Introduction to Forensic Science	4
CJA 243 Narcotics and Dangerous Drugs	3
CJA 201 Juvenile Delinquency	3
SOC 211 Social Deviance	3
b) Complete two terms of 3 credits each of cooperative education, choice of	
CJA 280 Co-op Ed.: Criminal Justice	3
CJA 280 Co-op Ed.: Criminal Justice	3

c) Complete ten additional credits chosen from the above list of Directed Electives, additional credits of CJA 280 Co-op Ed: Criminal Justice, or open electives.

Dance Transfer

Offered by Music, Dance and Theatre Arts, 541.463.3108 Transfer Plan

This curriculum is designed for the student who intends to complete requirements for an Associate of Arts Oregon Transfer degree (AAOT) and transfer to a four-year college or university as a major in dance.

To prepare for transfer, students work toward the goal of achieving technical proficiency in dance equivalent to that of a third-year (junior) student, while completing the requirements for an AAOT degree. Though the following transfer plan is a general curriculum guide designed for full-time students, part-time

students may also use it as a guide. Individual technical progress will vary, but it is recommended that a student take a full year of Modern and Ballet at the appropriate level before moving up to a higher level. Dance transfer students are expected to take Modern and Ballet every term. Group requirements vary with degree goals and prospective college.

The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

For planning purposes, it is best to apply for transfer admissions, program admissions and financial aid by January 15th of the desired transfer year. Check with transfer schools for specific application deadlines.

Students who need three years to complete the AAOT may exceed the credit limits set by federal financial aid guidelines, and should work closely with their academic advising team to manage their credit load.

Students interested in pursuing associate's or bachelor's degrees should see a Music, Dance and Theatre Arts advisor as well as dance program director Bonnie Simoa Reid, for information and advice.

Course Requirements

- 1. Some courses require prerequisites. See each course description.
- D 251 satisfies the U of O Dance Department requirement for such courses, and also a U of O Arts and Letters distribution requirement.
- D 256 is offered only Fall term, D 251 and D 260 are offered only Winter term, and D 176 and ED 225 are offered only Spring term.
- 4. Choose one Social Science or Arts and Letters course that meets the AAOT Cultural Literacy requirement.

Dance

For academically prepared Beginning Dance students 3-years, 141-147 credits

Beginning	Fall
D 177 Modern Dance 1	2
D 185 Ballet 1	2
Choice of:	2
D169 Musical Theatre	
D 173 African Dance	
D175 Tap Dance	
D184 Hip Hop 1	
D 196 Balinese Dance	
Choice of:	2
D 153 Pilates Mat Work 1	

D 161 Gyrokinesis D 172 Dancing the Fluid Body D 183 Body Mind Stretch and Relaxation	
WR 121 Composition: Introduction to Academic Writing AAOT Social Science requirement	4 3-4
Total Credits	15-16
D 477 M D 4	Winter
D 177 Modern Dance 1 D 185 Ballet 1	2
Choice of:	2
D 169 Musical Theatre	
D 173 African Dance D 175 Tap Dance	
D 184 Hip Hop 1	
D 196 Balinese Dance	
Choice of:	2
D 161 Gyrokinesis	
D 172 Dancing the Fluid Body	
D 183 Body/Mind Stretch and Relaxation D 251 Looking at Dance	4
AAOT Health/Wellness/Fitness	3
Total Credits	15
	Spring
D 177 Modern Dance 1	2
D 185 Ballet 1	2
D 257 Dance Improvisation	2
D 153 Pilates Mat Work 1	
D 176 Fluid Yoga	
D 183 Body Mind Stretch and Relaxation D 161 Gyrokinesis	
Choice of:	4
WR 122Composition: Argument, Style, and Research WR 227 Technical Report Writing	
AAOT Oral Communication requirement	4
Total Credits	16
Intermediate	Fall
D 178 Modern Dance 2	2
D 186 Ballet 2 D 160 Dance Composition	2
D 188 Jazz Dance 1	2
D 256 Body Fundamentals/Body as Knowledge	4
AAOT Social Science requirement	3-4
Total Credits	16-17
D 470 M D 0	Winter
D 178 Modern Dance 2 D 186 Ballet 2	2
D 188 Jazz Dance 1	2
D 000 0 1	
D 260 Group Choreography	3
Choice of:	3 2
Choice of:	
Choice of:	
Choice of:	2
Choice of:	4 15
Choice of:	4 15 Spring
Choice of:	2 4 15 Spring 2 2
Choice of:	2 4 15 Spring 2
Choice of:	4 15 Spring 2 2 2 2
Choice of:	2 4 15 Spring 2 2 2
Choice of:	4 15 Spring 2 2 2 2
Choice of:	4 15 Spring 2 2 2 2

Choice of:	2
AAOT Science with lab requirement	4
Total Credits	17
Advanced	Fall
D 179 Modern Dance 3	2
D 187 Ballet 3	2
D 261 Rehearsal and Performance	2
D 153 Pilates Mat Work 1 D161 Gyrokinesis	2
D 172 Dancing the Fluid Body	
D 257 Dance Improvisation	
AAOT Science with lab requirement	4
AAOT Social Science requirement	3-4
Total Credits	15-16
	Winter
D 179 Modern Dance 3	2
D 187 Ballet 3 D 261 Rehearsal and Performance	2
Choice of:	2
D 153 Pilates Mat Work 1	
D 161 Gyrokinesis D 176 Dancing the Fluid Body	
D 257 Dance Improvisation	
AAOT Science with lab requirement	4
AAOT Arts and Letters requirement (not Dance)	3-4
Total Credits	15-16
	Spring
D 179 Modern Dance 3	2
D 187 Ballet 3 D 261 Dance Rehearsal and Performance	2
Choice of:	2
D 153 Pilates Mat Work 1	
D 161 Gyrokinesis	
D 176 Fluid Yoga D 257 Dance Improvisation	
AAOT non-lab science, math, computer sci. requirement.	3-4
	3-4
AAOT Social Science requirement	3-4

Dental Assisting Transfer

Associate of General Studies Transfer Plan (includes Dental Assisting One-year Certificate of Completion)

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 cross training and pathways to receptionist-bookkeeper.

Total Credits 14-16

Learning Outcomes The graduate will:

- demonstrate knowledge and skills required to collect diagnostic data systematically
- demonstrate knowledge and skills required to perform a variety of clinically supportive treatments
- demonstrate knowledge and skill required to accurately expose, develop and mount diagnostic radiographs
- 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 needed to compute mixing amounts for impression materials, cements, and disinfecting/ sterilizing solutions, as well as calculate plaque indexing and inverse square law formulas
- demonstrate knowledge and ability to write/edit multiple types of professional communications

Gainful Employment Disclosure for 1-year Certificate

Standard Occupational Classification: 31-9091.00

Go to websites below for information about related occupations:

Dental Assistants

onetonline.org/link/summary/31-9091.00

Related Occupation:

Surgical Technologists

onetonline.org/link/summary/29-2055.00

How much will the 1-year Dental Assisting Certificate and AGS cost? (Estimate based on 2011-12 data. Consult Lane's website for updated tuition.)

Resident tuition and fees	\$9,011
Differential Fees [‡]	\$952
Books	\$1,500
Required Program Costs	
(uniforms, National and State Board exams, etc.)	\$4,402
On-Campus room and boardNot	offered
T-4-1 F-4:4-	Ф1 Г ОСГ

Total Estimate \$15,865

[‡] This is the total of all the differential fees attached to Dental Assisting courses. These fees and other costs may change during the year - see the online credit class schedule for fees assigned to courses.

Additional costs would be incurred for classes outside of the Dental Assisting program needed for the associate degree.

What's included?

Program Costs: lanecc.edu/esfs/credit-fees-and-expenses

What are financing options to pay for the program?

No 2010-11 program graduates used private educational loans or institutional financing.

How long will it take to complete this program?

The Dental Assisting program is designed to take 3 terms, or about 12 months of study to complete; the 2-year associate options can be completed in 2-2½ years.

How many 2011-12 Dental Assisting graduates completed within the designed program length?

100% completed within 12 months.

What are my chances of getting a job when I graduate?

Lane County openings - 19 annually

Statewide openings - 210 annually

U.S. Dental Assisting employment is expected to grow by 31% from 2010-2020 (adding an additional 91,600 positions nationally). 91% of 2012 Lane graduates seeking employment in Lane County found it within six months of graduation.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Wages

Lane County average hourly - \$19.59; average annual - \$39,558 Oregon average hourly - \$18.37; average annual - \$38,254 Starting salary in the Eugene/Springfield area ranges from \$14-17 hourly or \$28,560-34,680 annually.

Program Accreditation 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.

Licensing or Other Certification Students complete three National Board examinations each year administered by the Dental Assisting National Board, and are also eligible to receive all state required credentials, by submitting one clinical board and successfully completing the program.

Admission Information Contact the Health Professions Department or see *lanecc.edu/hp/dental/dental-assisting*

For assistance with meeting application or program requirements, contact Counseling and Advising in Building 1 room 103 or E-mail DAProgram@lanecc.edu with your specific questions.

Dental Assisting is a concentrated program that requires good reading and study skills. Students are encouraged to take DA 110 Health Sciences and DA 103 Dental Law and Ethics prior to entry into the program. Evidence of a physical examination (within the previous nine months) must be submitted prior to admission to the program.

Course Requirements

- 1. To enroll in most DA courses, students must be enrolled in the Dental Assisting program. Exceptions are DA 103 and 110.
- 2. Some courses have prerequisites. See course descriptions.
- DA 103 Dentistry, Law and Ethics and DA 110 Health Sciences are offered Online.
- All DA courses must be taken for a letter grade and passed with a 75% class average.
- 5. Human Relations, Computer, and Writing courses required as prerequisites for the Certificate program must be completed for a letter grade. Human Relations prerequisites may be selected from the following:

CG 144 Introduction to Assertive Behavior

CG 203 Human Relations at Work

CG 204 Eliminating Self-Defeating Behavior

SOC 204 Introduction to Sociology

SOC 205 Social Stratification and Social Systems

SOC 206 Institutions and Social Change

SOC 207 Women and Work

SOC 210 Marriage, Family and Intimate Relations

SP 218 Interpersonal Communication

Prerequisites for Dental Assisting program within Associate of General Studies degree:

MTH 052 Math for Introductory	
Physical Science (or higher)	4
Human Relations requirement	3-4
WR 121 Introduction to Academic Writing	4
Choice of	3-4
CIS 101 Computer Fundamentals	
CS 120 Concepts of Computing: Information Processing	
Total Credits	14-16

Students must be admitted to the Dental Assisting program to enroll in the following Dental Assisting courses, with the exceptions of DA 110 Health Sciences and DA 103 Dental Law and

Ethics, which students are encouraged to take prior to entry into the certificate program. These classes are offered summer term as well as the following terms. Evidence of a physical examination (within the previous nine months) must be submitted prior to admission to the program.

Total Credits 20 Winter	DA 107 Dental Health Education 1 DA 110 Health Sciences DA 115 Dental Anatomy DA 192 Dental Materials 1 DA 195 Chairside Procedures DA 210 Dental Radiology	Fall 1 3 3 3 6 4
DA 108 Dental Health Education 2 3 DA 193 Dental Materials 2 3 DA 194 Dental Office Procedures 3 DA 196 Chairside Procedures 2 7 DA 211 Dental Radiology 2 2 Total Credits Spring DA 102 Advanced Clinical Experiences 3 DA 103 Dentistry, Law and Ethics 2 DA 206 Co-op Ed Seminar: Dental Assisting 1 DA 280 Co-op Ed: Dental Assisting 5 Total Credits Total Credits Total Credits Fall Second Year Fall Arts and Letters Requirement	Total Credits	20
Spring DA 102 Advanced Clinical Experiences	DA 193 Dental Materials 2 DA 194 Dental Office Procedures DA 196 Chairside Procedures 2	3 3 3 7
DA 102 Advanced Clinical Experiences 3 DA 103 Dentistry, Law and Ethics 2 DA 206 Co-op Ed Seminar: Dental Assisting 1 DA 280 Co-op Ed: Dental Assisting 5 Total Credits Total Credits Second Year Fall Science/Math/Computer Science Requirement 3 Arts and Letters Requirement 4 Choice of: 4 WR 122 Composition: Argument, Style and Research WR 227 Technical Writing HE 252 First Aid 3 Total Credits 14 Winter Arts and Letters Requirement 4 Science/Math/Computer Science Requirement 4 Spring Arts and Letters Requirement 4 Social Science Requirement 4 Social Science Requirement 4 Science/Math/Computer Science Requirement 4 Spring	Total Credits	18
WR 122 Composition: Argument, Style and Research WR 227 Technical Writing HE 252 First Aid	DA 103 Dentistry, Law and Ethics	3 2 1 5 11 Fall 3
Total Credits 14	WR 122 Composition: Argument, Style and Research WR 227 Technical Writing	•
Arts and Letters Requirement 4 Social Science Requirement 4 Science/Math/Computer Science Requirement 4 Total Credits 12 Spring Arts and Letters Requirement 4 Social Science Requirement 4 Science/Math/Computer Science Requirement 4	_	
Arts and Letters Requirement 4 Social Science Requirement 4 Science/Math/Computer Science Requirement 4 Total Credits 12 Spring Arts and Letters Requirement 4 Social Science Requirement 4 Science/Math/Computer Science Requirement 4	Total Credits	14
Arts and Letters Requirement	Social Science Requirement	4
Arts and Letters Requirement	Total Credits	12
	Social Science Requirement	4 4

Dental Hygiene Transfer

Transfer plan to Oregon Institute of Technology Offered by Health Professions Division, 541.463.5617

This is a transfer plan for students interested in pursuing a Bachelor's degree in Dental Hygiene at Oregon Institute of Technology. This plan does not guarantee articulation for OIT program and degree requirements. Students are responsible for contacting the institution directly (oit.edu) to confirm that an individual plan will work when transferring.

Lane Community College offers the prerequisite and degree completion requirements that align for the Associate of Applied Science (AAS) Degree in Dental Hygiene. Students preparing to transfer to OIT will have the option to complete a general education two-year degree like the Associate of Arts Oregon Transfer Degree or to complete a "Direct Transfer" process. The

outline listed below aligns the AAS and the AAOT program plans to allow a student to more easily transition and progress toward completing the OIT requirements for a Bachelor's Degree in Dental Hygiene.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. OUS institutions will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

See AAOT Degree requirements for courses that can be used to satisfy degree requirements and for limitations on electives. One course must satisfy the Cultural Literacy requirement for the AAOT degree.

OIT requires 9 Humanities credits. However, only 3 Humanities credits can be studio/performance based.

Associate of Arts Oregon Transfer Degree

Transfer Plan for students who want to earn an AAOT at Lane prior to transferring to OIT to pursue a bachelor's degree in Dental Hygiene

WR 121 Composition: Introduction to Academic Writing	4
WR 227 Technical Writing	4
MTH 111 College Algebra	5
FN 225 Nutrition	4
SP 111 Fundamentals of Public Speaking	4
AAOT Arts and Letters – 3 courses	9-12
chosen from AAOT list with prefix of	3-12
ART, ENG, FA, HUM, MUS, PHL, REL, or TA	
Choice of:	3
SOC 204 Introduction to Sociology	3
SOC 205 Social Stratification and Social Systems	
SOC 206 Institutions and Social Change	
Choice of:	3
PSY 201 General Psychology	Ū
PSY 202 General Psychology	
PSY 203 General Psychology	
Additional PSY course - one chosen from AAOT list	3
AAOT Social Science course -	
one chosen from AAOT list	3
BI 112 Cell Biology for Health Occupations	3
CH 112 Chemistry for Health Occupations	3
BI 231 Human Anatomy and Physiology 1	4
BI 232 Human Anatomy and Physiology 2	4
BI 233 Human Anatomy and Physiology 3	4
BI 234 Microbiology	4
WR 122 Composition: Argument, Style, and Research	4
(OIT requirement)	
CH 221 General Chemistry 1 (OIT requirement)	5
CH 222 General Chemistry 2 (OIT requirement)	5
CH 223 General Chemistry 3 (OIT requirement)	5
HO 100 Medical Terminology	3
MTH 243 Introduction to Probability and Statistics	4
AAOT Electives (enough to bring total credits to 90)	varies

Engineering Transfer

Offered by Mathematics Division, 541.463.5392

Transfer Plan

This transfer plan is for students interested in pursuing a bachelor's degree in engineering. Lane Community College offers the first two years of college core science, engineering, and general education courses needed for most engineering major disciplines. The transfer plan shown below includes lower division general education requirements needed for a degree at a state university in Oregon. Certain engineering disciplines may require additional courses that are not offered at Lane. See one of Lane's Engineering advisors for more information.

Most Lane engineering students transfer to Oregon State University (OSU), but many have continued successfully at other well-known professional schools. Students who wish to complete all of the lower division general education requirements for OSU before they transfer may wish to consider earning an Associate of Science (AS) degree or an Associate of Arts Oregon Transfer (AAOT) degree while at Lane. In addition to the OSU general education and engineering core requirements, only a few additional credits are required to earn the AS or AAOT degree from Lane. See Lane's Engineering academic advisor or counselor for more information.

At the earliest opportunity, an interested student should meet with one of Lane's Engineering advisors. Most engineering courses at Lane are offered only once each academic year, and they must be taken in sequence. A well-planned transfer plan at Lane is essential to ensure a smooth transition to a university. In addition, it is very important for a transfer student to consult the engineering advisor at the specific intended transfer university.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

See the mathematics and science division counselors or advisors for assistance in term-by-term schedule planning and for answers to questions about transfer requirements of various universities.

Associate of Science (AS) and Associate of Arts Oregon Transfer (AAOT) degree plans for Engineering Transfer students

Students who are prepared to begin Calculus in their first year: should substitute MTH 251, 252, and 253 (Calculus 1,2,3) for the mathematics courses listed in the First Year plan below. These students can complete the requirements for either the AS or AAOT degree in two years by adding one or two summer terms to their course plans. Students should consult with Lane's engineering academic advisor or counselor for assistance in course planning.

Course Requirements

- Prerequisite are required on some courses. See course descriptions.
- In all CH, ENGR, PH, SP, WR, and MTH 251-265, students must earn a letter grade of "C" or better, not P/NP. (OSU will not accept "C-".)
- See AS degree requirements for approved choices for Arts and Letters, Social Science, and Science courses; and see Math/Engineering academic advisor for course selection assistance.
- See AAOT degree requirements for approved Health, Arts and Letters and Social Science courses. One Arts and Letters or Social Science course must also satisfy the AAOT Cultural Literacy requirement. See Math/Engineering academic advisor for course selection assistance.
- All AAOT degree courses must be completed with a minimum grade of C-. There is a minimum 2.0 GPA requirement for graduation.

The following three-year plan for Engineering students satisfies the requirements for an Associate of Science degree or the Associate of Arts Oregon Transfer degree from Lane Community College, including all required engineering courses and all necessary general education courses. Additionally, these general education courses will satisfy all of the lower division general education requirements for graduating from Oregon State University. Requirements can change, so it is critical that you see one of Lane's engineering advisors for assistance in choosing these specific courses to ensure that they meet both Lane and OSU requirements.

Engineering Transfer Plan

Associate of Science degree or AAOT degree at Lane

Arts and Letters requirement (for AS or AAOT)	3-4
Arts and Letters requirement (for AS or AAOT)	3-4
Biological Science requirement (for A.S. degree)	
or Arts & Letters requirement (for AAOT degree)	3-4
CH 221 General Chemistry 1	5
CH 222 General Chemistry 2	5
ENGR 101 Engineering Orientation	3
ENGR 102 Engineering Orientation 2	4
ENGR 115 Engineering Graphics	3
ENGR 211 Statics	4
ENGR 212 Dynamics	4
ENGR 213 Strength of Materials	4
ENGR 221 Electrical Fundamentals	4
HE 275 Lifetime Health and Fitness	3
MTH 097 Geometry	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
MTH 251 Calculus 1	5
MTH 252 Calculus 2	5
MTH 253 Calculus 3	5
MTH 254 Vector Calculus 1	4
MTH 255 Vector Calculus 2 (Electrical Engr. Only)	4
MTH 256 Differential Equations	4

MTH 260 or 261 Linear Algebra	2-4
MTH 265 Statistics for Scientists and Engineers	4
PH 211 General Physics w/Calculus	5
PH 212 General Physics w/Calculus	5
PH 213 General Physics w/Calculus	5
Social Science requirement (for AS or AAOT)	3-4
Social Science requirement (for AS or AAOT)	3-4
Social Science requirement (for AS or AAOT)	3-4
Social Science requirement (for AAOT degree)	
or Elective (for AS degree)	3-4
Choice of:	4
SP 111 Fundamentals of Public Speaking	
SP 112 Persuasive Speech	
WR 121 Introduction to Academic Writing	4
WR 227 Technical Writing	4

Ethnic Studies Transfer

Offered by Social Science Division, 541.463.5427

Transfer Plan

The National Association for Ethnic Studies defines the discipline as "an interdisciplinary voice for the continuing focused study of race and ethnicity." Ethnic Studies is concerned with how all ethnic and racial groups interact, but focuses primarily on those groups that have been largely ignored as having contributed to the creation and shaping of this country.

Ethnic Studies at Lane Community College was created over 40 years ago. The discipline strives to provide for the interdisciplinary study of the histories and experiences of the four major racial minority groups in the United States: Americans of African and Asian descent, Chicanas/os and Latinas/os, and the indigenous peoples of the Americas, Caribbean, and Pacific Islands. In addition, Ethnic Studies provides space for students to critically analyze the intersections of race and ethnicity with other variables such as: gender identity, sexuality, disability, class, nationalism, and globalization. As active scholars, the affiliated faculty members of Ethnic Studies at Lane are dedicated to an academic discipline that assists in the intellectual and humanistic development of students by helping them to combine critical thinking skills with an ability to understand and value difference from a social justice perspective. Because of the skills learned in class, students with a foundation in Ethnic Studies can be found pursuing a wide variety of occupational interests.

For those students interested in pursuing degrees with a focus in Ethnic Studies, there are many courses offered in alternative years from which to choose. All Ethnic Studies course offerings fulfill both the Social Sciences category of the Associate of Arts Oregon Transfer (AAOT) degree, and the AAOT Cultural Literacy graduation requirement. For further information, contact Michael Sámano, Coordinator of Ethnic Studies at 541.463.5186 or samanom@lanecc.edu.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

All AAOT degree courses must be completed with a minimum grade of C-. There is a minimum 2.0 GPA requirement for graduation.

Prerequisite are required for some courses. See course descriptions.

ENG 222 and SP 115 are approved courses for the Arts and Letters requirement for the AAOT.

The UO Ethnic Studies Program accepts either Lane's ES 241/242 course as equivalent to ES 256.

Cooperative Education (Co-op) Ethnic Studies co-op is an important field placement opportunity that allows students to hone their cultural competency skills. Co-op students are encouraged to work with local service agencies that serve underrepresented minority communities, or organizations with a social justice perspective. Placement provides opportunities for students to explore their career options while gaining practical experience in the field. Students may participate on a full- or part-time basis.

Discipline Studies: Social Science

ES 101 Historical Racial and Ethnic Issues ES 102 Contemporary Racial and Ethnic Issues

Select two same area courses in African American, Asian American, Chicano/Latino, or Native American Studies

ES 221, 222, 223 African American Experience

ES 231, 232, 233 Asian American Experience

ES 211, 212, 213 Chicano/Latino Experience

ES 241, 242, 243 Native American Experience

Discipline Studies: Arts and Letters requirement or electives

ENG 222 Literature and Gender1

SP 115 Introduction to Intercultural Communication1

Discipline Studies: Social Science requirement or electives

ANTH 103 Cultural Anthropology

ECON 250/ES 250 Class, Race, and Gender in the U.S. Economy

ES 280 Co-op Ed: Ethnic Studies

HIST 195 History of Vietnam

PS 275 Legal Processes through Civil Rights and Liberties

PS 297 Environmental Politics

REL 243 Nature, Religion and Ecology

SOC 207 Women and Work

SOC 213 Race and Ethnicity

SOC 215 Social Class

SOC 216 Global Social Movements

WS 101 Introduction to Women's Studies

Transfer Plan - AAOT Degree (See AAOT degree requirements in Lane catalog for details)

Students who also complete the following additional requirements (credits) can earn the AAOT Degree. Consult with your program advisor/counselor for details.

WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research MTH 105 Intro to Contemporary Mathematics or higher	4-5
AAOT Health/Wellness/Fitness requirement	3-4
AAOT Oral Communication requirement	4
AAOT Arts and Letter requirement	9-12
AAOT Social Science requirement(select one course other than Ethnic Studies)	3-4
AAOT Science(s) with Lab requirementAAOT Non-Lab Science, Math,	12
Computer Science requirement	3-4 Varies

Exercise and Sport Science Transfer

Offered by Health, Physical Education and Athletics Division, 541.463.5545

Associate of Arts Oregon Transfer (AAOT) Degree Plan

This transfer plan is for Pre-Exercise and Sport Science majors, including Physical Education, Athletic Training and Fitness and Nutrition (not Dietetics) at Oregon State University. Students wishing to pursue a Bachelor of Science in Human Physiology and/or a Master of Science in Athletic Training degree at the University of Oregon should consult with the Lane counselor or advisor for the Human Physiology major.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Prerequisites or placement testing are required for some courses. See Course descriptions.

One Social Science or one Arts and Letters course must meet the AAOT Cultural Literacy Requirement

To ensure that 90 total credits are completed for the AAOT degree, at least one of the Arts and Letters or Social Science electives should be a 4-credit course.

First Year	Fall
MTH 097 Geometry	4
HE 275 Lifetime Health and Fitness	3 4
Choice of	4
SP 111 Fundamentals of Public Speaking	
SP 218 Interpersonal Communication PSY 201 General Psychology	4
-	
Total credits	19
NATIL 444 C. II. Al. I	Winter
MTH 111 College Algebra	5 4
WR 122 Composition: Argument, Style and Research	*
WR 227 Technical Writing	
Biobonds Learning Community:	
BI 112 Cell Biology for Health Occupations	3
CH 112 Chemistry for Health Occupations	3
Total Credits	15
	Spring
Arts and Letters (any choice from AAOT list)	3-4
PSY 215 Lifespan Developmental Psychology	3
BI 231 Human Anatomy and Physiology 1 MTH 112 Trigonometry	4 4
Total credits	14-15
Second Year	Fall
BI 232 Human Anatomy and Physiology 2PH 201 General Physics	4 5
CH 221 General Chemistry 1	5
Social Science from approved list with Cultural Literacy	
requirement	3-4
Total Credits	17-18
	Winter
Choice of	4
SP 130 Business and Professional Speech	
SP 115 Introduction to Intercultural Communication SP 220 Communication, Gender and Culture	
CH 222 General Chemistry 2	5
BI 233 Human Anatomy and Physiology 3	4
PHL 201 Ethics	4
Total Credits	17
	Spring
Arts and Letters (from approved list)	3-4
BI 234 Microbiology	4
CH 223 General Chemistry 3	5
Total Credits	12-13

Health Education

Offered by Health, Physical Education and Athletics Division, 541.463.5545

Transfer Plan

As our world becomes more connected and the use of technology increases, individuals and societies can become negatively impacted. The number of illnesses and deaths from chronic diseases, such as heart disease, cancer, diabetes, and stroke are in part, outcomes of personal health behavior and choices.

In addition, new and emerging infectious diseases are stretching the available resources to combat them. Therefore, the achievement of a attaining and nurturing all areas of health remains a worldwide priority in the twenty-first century. The primary role of a health educator is to act as an "agent of change" to help both individuals and society reach their fullest potential. The Health Education transfer plan is designed for students who would like to further their career goals in any of the following health areas: Health, Public Health and Social Services, Health Care Administration, Health Promotion, Environmental Health and Occupational Health and related fields. These fields provide career opportunities that include, but are not limited to: Teacher/Educator, Administrator, Researcher, Epidemiologist (person who studies disease), Sanitarian, Occupational Health Specialist, Environmental Toxicologist, and Public Health Specialist.

This is a transfer plan with appropriate electives for students interested in eventually pursuing a four-year degree in Health Education at a university or specialized institution.

Please note Prerequisites are required for some courses.

One Arts and Letters or Social Science course must meet the AAOT Cultural Literacy requirement

First Year HE 275 Lifetime Health and Fitness	Fall 3
HE 252 First Aid	Winter 3
HE 250 Personal Health	Spring 3
HE 222 Consumer Health	3
Second Year HE 152 Drugs Society and Behavior HE 209 Human Sexuality	Fall 3 3
HE 125 Workplace Health and Safety	Winter 3
HE 255 Global Health	Spring 4
Additional courses needed to complete the AAOT degree	:
WR 121 Introduction to Academic Writing	4
Choice of	4-5
AAOT Oral Communication requirement	4 9-12
AAOT Arts and Letters requirement	12-16
AAOT Science with lab requirement	12
requirementAAOT Electives to bring total to 90 credits	3-4 4-15

Health Informatics Transfer

Also see Computer Information Systems - Health Informatics AAS in the Career Technical section

Offered by the Computer Information Technology Department, 541.463.5221

Transfer Plan

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete courses that will be accepted in transfer to the health informatics program at Oregon Institute of Technology. The guide below includes courses required for Oregon Institute of Technology's Bachelor of Science degree in

Information Technology – Health Informatics Option, as well as necessary general education requirements for an AAOT.

Transfer institutions require additional coursework for a health informatics degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses completed within an AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Prerequisites are required on some courses. See the course descriptions.

See science advisor for AAOT Health and AAOT Science with lab course selections.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement,

For all major requirements, see advisor for other choices.

All courses except AAOT Health/Wellness/Fitness must be completed with a letter grade of a C or higher.

Transfer Plan:

AAOT Arts and Letters requirement	6-8
AAOT Health/Wellness/Fitness	3-4
AAOT Science with lab	12
AAOT Social Science requirement	3
BA 211 Financial Accounting	4
BI 102I Human Biology	4
BT 114 MS Excel for Business	4
CIS 140 Operating Environments: Managing Windows	4
CIS 244 Systems Analysis	4
CS 161C+ Beginning C++ Programming or	
CS 161J Computer Science 1	4
CS 162C+ Intermediate C++ Programming for Games or	
CS 162J Computer Science 2	4
CS 240W Windows Server Administration	4
CS 275 Database Program Development	4
ECON 201 Introduction to Microeconomics	3
ECON 202 Introduction to Macroeconomics	3
ET 287 Computer Hardware	4

HO 100 Medical Terminology MTH 111 College Algebra PSY 201 General Psychology SP 111 Public Speaking	5 4
SP 111 Public Speaking	
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Style and Argument	
WR 227 Technical Writing	4

Total Credits 102-105

Music Industry Transfer

AAOT Transfer plan

For students pursuing music technology options, the following is a seven-term plan, including the Associate of Arts Oregon Transfer Degree (AAOT), prepares students for transfer to 4-year institutions for a B.S. degree.

Please note Prerequisites are required for some classes. See course descriptions.

Several terms of pre-requisite Math may be necessary, depending on Placement Test results. MTH 105 or MTH 111 is required for transfer.

A placement test in Music, Dance and Theatre Arts Department is required for admission to MUS 111, 114, 127 courses.

See AAOT Degree pages for lists of courses that meet the AAOT Foundational Skills and Discipline Studies requirements.

One Social Science or one Arts and Letters course needs to meet the AAOT Cultural Literacy requirement.

Second year music courses must be taken in the order listed. Since there are so many variables, transfer students are strongly advised to see a counselor for Music, Dance and Theatre Arts, or the Music Advisor in Bldg. 6.

First Year	Fall
MUP 100 Individual Lessons	1
MUS 101 Music Fundamentals	3
MUS 131 Group Piano	2 4
WR 121 Introduction to Academic Writing	3
AAOT Arts and Letters (non-music)	3
-	
Total Credits	16
	Winter
MUS 118 Music Technology - MIDI Audio 1	4
MUS 131 Group Piano	2
MUP 100 Individual Lessons	1
Choice of: WR 122 Composition: Argument Style and Research WR 227 Technical Writing	4
Choice of:	4-5
MTH 105 Introduction to Contemporary Mathematics MTH 111 College Algebra	
Total Credits	15-16
	Spring
MUS 119 Music Technology - MIDI/Audio 2	4
MUS 134 Group Voice	2
MUP 100 Individual Lessons	1
MTH 243 Introduction to Probability and Statistics	4
AAOT Use the Mallance (Figure 2017)	4
AAOT Health/Wellness/Fitness/requirement	3
Total Credits	18

S	Summer
AAOT Science (with lab)	4
AAOT Science (with lab)	4
AAOT Oral Communication requirement	4
Total Credits	12
Second Year	Fall
MUS 107 Audio Engineering 1	3
MUS 111 Music Theory 1	4
MUS 114 Sight Reading/Ear Training	2
MUS 127 Keyboard Skills	2
MUP 100 Individual Lessons	2
ECON 200 Principles of Economics: Introduction to Economics	2
introduction to Economics	3
Total Credits	16
	Winter
ECON 201 Principles of Economics:	
Introduction to Microeconomics	3
MUP 100 Individual Lessons	2
MUS 109 Audio Engineering 2	4
MUS 112 Music Theory 1	4
MUS 115 Sight Reading/Ear Training	2
MUS 128 Keyboard Skills	2
Total Credits	17
	Spring
MUP 100 Individual Lessons	2
MUS 110 Audio Engineering 3	4
MUS 113 Music Theory 1	4
MUS 116 Sight-reading and Ear Training	2
MUS 129 Keyboard Skills 1	2
ECON 202 Principles of Economics:	_
Introduction to Macroeconomics	3
Total Credits	17

Music Transfer

Offered by Music, Dance and Theatre Arts, 541.463.5209 Transfer Plan

Lane's Music, Dance and Theatre Arts Department offers a complete range of lower-division (freshman and sophomore) courses in music—everything needed by students intending to transfer to a four-year college or university and major in music, and by students intending to meet their needs entirely at Lane, with or without a degree. Whatever the goal of music studies, one of the transfer plans below—or some modification of it—will be appropriate.

This curriculum is designed for the student who intends to complete requirements for an Associate of Arts Oregon Transfer (AAOT) degree and transfer to a four-year university with a major in music. Detailed information about the AAOT can be found in the Degrees and Certificates section of the catalog.

The curriculum is comprised of general education requirements, major requirements and electives. Completion of the AAOT degree will satisfy all the lower division (freshman and sophomore) general education requirements at any four-year public university in Oregon. Completion of the music courses listed below will typically satisfy lower division music requirements for most schools. Some music programs may require placement testing in Music Core courses. Students planning to transfer to private colleges or out-of-state schools should consult with advisors at the transfer institution to plan their transfer plan at Lane.

It is very important for each student to work closely with Lane's Arts advisors and advisors at the transfer school to tailor this curriculum to meet the specific requirements of the desired transfer institution. Most transfer schools require an audition, and some require a separate application to the music major. Students are encouraged to begin their transfer planning immediately.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Placement test in Music, Dance and Theatre Arts Department is required for admission to MUS 11, 114, and 127 classes.

Several terms of pre-requisite Math may be necessary, depending on Placement Test results. MTH 105 or MTH 111 is required for transfer.

See AAOT Degree for list of courses that meet Foundational Skills and Discipline Studies requirements.

One Social Science or Arts and Letters course needs to meet the AAOT Cultural Literacy requirement.

All music courses except MUS 261,262, and 263 must be taken in the order given. Since there are so many variables, transfer students are strongly advised to see a counselor for Music, Dance and Theatre Arts, or the music advisor in Bldg. 6.

When offered, MUS 185 or MUS 186 Techniques of Instrumental/Vocal Performance is co-requisite to Individual Lessons.

•	
First Year	Fall
MUS 111 Music Theory 1	4
MUS 114 Sight Reading/Ear Training 1	2
MUS 127 Keyboard Skills 1	2
Ensemble (large and/or small)	2
Individual Lessons	2
WR 121 Composition:	
Introduction to Academic Writing	4
Total Credits	16
	Winter
MUS 112 Music Theory 1	4
MUS 115 Sight Reading/Ear Training	2
MUS 128 Keyboard Skills 1	2
Ensemble (large and/or small)	2
Individual Lessons	2
WR 122 Composition: Argument, Style and Research	4
Total Credits	16

	Spring
MUS 113 Music Theory 1	4
MUS 116 Sight Reading/Ear Training 1	2
MUS 129 Keyboard Skills 1 Ensemble (large and/or small)	2
Individual Lessons	2
Choice of:	4-5
MTH 105 Contemporary Mathematics or	
MTH 111 College Algebra	
(MTH 095 or placement test required before MTH 105 or MTH 111)	
Total Credits	16-17
	ummer
AAOT Science (with lab)	4
AAOT Science (with lab)	4
AAOT Science (with lab)	4
Health/Wellness/Fitness requirement	3
Total Credits	15
Second Year	Fall
MUS 211 Music Theory 2	3
MUS 214 Keyboard Skills 2	2
MUS 261 Music History 1	2
Ensemble (large and/or small)	2
Individual Lessons	2
AAOT Social Science	4
Total Credits	19
MUS 212 Music Theory 2	Winter 3
MUS 212 Music Theory 2 MUS 215 Keyboard Skills 2	Winter
MUS 215 Keyboard Skills 2	Winter 3 2 2
MUS 215 Keyboard Skills 2	Winter 3 2 2 4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 4 2 2 2
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 4 2 2 4 4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2 4 19
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 4 2 2 4 4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2 2 4 19 Spring 3
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2 4 19 Spring 3 2 4 2 4 2
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2 4 19 Spring 3 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 4 2 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 2 4 2 4 2 2 4 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 4 2 2 2
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 2 4 19 Spring 3 2 4 2 2 2 4 2 2 2 2
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 4 2 2 4 4 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 2 2 4 4 2 2 2 2 4 4 5 5 5 5
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4 2 2 4 19 Summer 3-4
MUS 215 Keyboard Skills 2	Winter 3 2 2 4 4 2 2 4 4 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 2 2 4 4 2 2 2 2 4 4 5 5 5 5
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4 2 2 4 19 Summer 3-4
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4 2 2 4 19 Summer 3-4
MUS 215 Keyboard Skills 2	Winter 3 2 4 2 4 19 Spring 3 2 4 2 2 4 19 Summer 3-4 4

Academic Advising Online

Free online resources are available for ALL majors! **moodle**On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Total Credits

13-14

Peace Studies Transfer

Offered by Multiple Departments

Transfer Plan leading to Associate of Arts Oregon Transfer Degree

This is a transfer plan related to Peace Studies for students pursuing an Associate of Arts Oregon Transfer at Lane Community College, or for students completing elective courses in peace studies for transfer to a baccalaureate program elsewhere. Peace Studies at Lane Community College are defined in broad terms extending beyond the study of war, recognizing that peace is rooted in social, economic, racial, gender, and environmental justice. For more information about Peace Studies at Lane Community College contact Stan Taylor at 541.463.5820 or taylors@lanecc.edu

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

All AAOT degree courses must be completed with a minimum grade of Pass or C-. There is a minimum 2.0 GPA requirement for graduation.

Prerequisites are required for some courses. See course descriptions.

The following three classes focus on the underlying causes of war and conflict, and on steps toward building peace.

Discipline Studies: Social Science or electives

PS 211 Peace and Conflict Global PS 212 Peace and Conflict National PS 213 Peace and Conflict Local

The following courses focus on social, economic, racial, gender and environmental justice as issues that must be addressed to build lasting peace.

Discipline Studies: Arts and Letters requirement or electives

ENG 222 Literature and Gender SP 115 Introduction to Intercultural Communication

Discipline Studies: Social Science requirement or electives

ANTH 103 Cultural Anthropology

ECON 250/ES 250 Class, Race, and Gender in the U.S. Economy

ES 101 Historical Race and Ethnic Issues

ES 102 Contemporary Race and Ethnic Issues

HIST 195 History of Vietnam

PS 275 Legal Processes through Civil Rights and Liberties

PS 297 Environmental Politics

REL 243 Nature, Religion and Ecology	
SOC 207 Women and Work	
SOC 213 Race and Ethnicity	
SOC 215 Social Class	
SOC 216 Global Social Movements	
WS 101 Introduction to Women's Studies	
Transfer Plan - AAOT Degree Students who also complet	e the
following requirements may earn the AAOT Degree. Consu	ult with
your program advisor/counselor for details.	
AAOT Arts and Letter requirement	3-4
AAOT Health/Wellness/Fitness requirement (HE255 –	
Global Health and Sustainability recommended)	3-4
AAOT Non-Lab Science, Math, Computer Science	
requirement	3-4
AAOT Oral Communication requirement	4
AAOT Science with Lab requirement	12
MTH 105 Intro to Contemporary Mathematics or higher	4-5
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research	4
AAOT Electives (to bring total transfer credits to 90)	Varies

Pre-Chiropractic

Offered by the Science Division, 541.463.5446

Transfer Plan includes prerequisites for transfer

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite chiropractic courses for transfer to a chiropractic program elsewhere. The guide below includes all pre-chiropractic courses that can be taken at a two-year institution for the professional chiropractic program at University of Western States, as well as necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for a chiropractic degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer.

See a Lane science advisor for assistance in course selection and transfer policies.

Please note Prerequisites are required on some courses. See course descriptions.

All courses must be taken for a letter grade and earn a grade of a C or higher.

See science advisor for AAOT Foundational Skills and Discipline Studies course selections.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement.

Writing courses are program prerequisites. See advisor for other choices.

Transfer Plan	
WR 121 Introduction to Academic Writing	4
Choice of:	4
WR 122 Composition: Argument, Style and Research	
WR 227 Technical Writing	
MTH 097 Geometry	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
AAOT Oral Communication requirement	4
AAOT Health/Wellness/Fitness	3-4
AAOT Arts and Letters requirement	9-12
AAOT Social Science requirement	6-8
PSY 201 and PSY 202 General Psychology	8
CH 221, 222, 223 General Chemistry	15
CH 241, 242, 243 Organic Chemistry	15
BI 211, BI 212, Z 213 Principles of Biology	12
PH 201, 202, 203 General Physics	15
<u>-</u>	

Total Credits 108-114

Pre-Journalism

Associate Of Arts Oregon Transfer Degree Plan For

Pre-Journalism Majors Entering The University Of Oregon

This curriculum is designed for the student who intends to complete requirements for an Associate of Arts Oregon Transfer (AAOT) degree and transfer to the University of Oregon in pre-Journalism. Detailed information about the AAOT can be found under the Degrees and Certificates section of this catalog.

The curriculum is comprised of general education requirements and the pre-journalism major requirements (known as "block requirements") for the University of Oregon. Completion of the AAOT degree will satisfy all the lower division (freshman and sophomore) general education requirements at University of Oregon and all other *four-year public universities* in the state of Oregon. Completion of the pre-major block requirements will prepare students to take Journalism classes at the University of Oregon that will allow them entrance to the major in their junior year. See notes for more information on the pre-major block requirements.

Students planning to transfer to a school other than the University of Oregon may benefit from pursuing a direct transfer plan in lieu of the AAOT. It is very important for each student to work closely with Lane's Arts advisors and advisors at the transfer school to tailor this curriculum to meet the specific requirements of the desired transfer institution. Students are encouraged to begin their transfer planning one year prior to the date of transfer.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language. Since requirements at transfer schools may change after the catalog has been printed, students are encouraged to refer to on-line advising resources for Arts and Related Majors.

For planning purposes it is best to apply for transfer admission, program admission and financial aid by January 15th of the desired transfer year. Check specific transfer program for application deadlines.

The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

See AAOT Degree course list for courses that satisfy the Cultural Literacy requirement.

Many students do not place directly into college transfer level writing or math. Consult with an academic advisor or counselor for a review of your placement test results and the appropriate sequence of courses to reach writing and math needed for the AAOT degree. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements. Students needing to take preparatory courses will need to plan for additional credits and/or terms at Lane prior to transfer.

The 56 credit UO pre-Journalism block requirements are listed below:

Literature block (ENG prefix)(meets AAOT Arts and Letters requirements)	16
History block (HST prefix)(meets AAOT Social Science requirements)	8
Economics block (ECON prefix)(meets AAOT Social Science requirements)	8
Additional block #1(choose 2 lab classes from the same prefix	8
BI, CH, G, GS or PH to meet AAOT Science requirements) Additional block #2	8
(chose 2 classes from the same prefix using the list below) Additional block #3	8
(chose 2 classes from the same prefix using the list below) Prefix Subjects: ANTH, ASTR, BI, CH, CIS, CS, ECON, ENG, ENVS, ES, FR, G, GEOG, HST, HUM, MTH, PHIL, PH, PS, PSY, REL, SOC, SPAN, SP, TA, WS, and WR	
First Year	Fall
WR 121 Introduction to Academic Writing	4 4-5
MTH 105 Introduction to Contemporary Math MTH 111College Algebra	
AAOT Arts and Letters (ENG prefix)	4
Total credits	16-17
	Winter
WR 122 Composition: Argument, Style and Research	4
AAOT Social ScienceAAOT Arts and Letters (ENG prefix)	4
UO Journalism Block #2	4
Total credits	16
AAOT Oral Communication requirement	Spring 4
AAOT Arts and Letters any ENG prefix	4
AAOT Science	3-5
AAOT Health/Wellness/Fitness	3
Total credits	14-16
Second Year	Fall
AAOT Science with lab	3 4-5
Any ENG prefix course	4
AAOT Elective or Foreign Language as needed	3-5
Total credits	14-17
ECON 201 Principles of Economics: Micro	Winter 3
UO Journalism Block #3	4
AAOT Science with lab	4-5
J 216 or AAOT Arts and Letters (not ENG prefix)	3 3-5
Total credits	
	17-20
	17-20
ECON 202 Principles of Economics: Macro	
ECON 202 Principles of Economics: MacroUO Block #3	17-20 Spring 3 4
ECON 202 Principles of Economics: Macro	17-20 Spring 3 4 4-5
ECON 202 Principles of Economics: MacroUO Block #3	17-20 Spring 3 4

Pre-Occupational Therapy

Offered by the Science Division, 541.463.5446
Transfer Plan includes prerequisites for transfer

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer to

an occupational therapy program elsewhere. The guide below includes all pre-occupational therapy courses that can be taken at a two-year institution for the professional occupational therapy program at Pacific University, as well as necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for an occupational therapy degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Please note Prerequisites are required on some courses. See course descriptions.

All Occupational Therapy prerequisites must be taken for a letter grade of C or higher. Other courses must be taken for a letter grade of C- or higher. See science advisor for details.

See science advisor for course selection for AAOT Foundational Skills and Discipline Studies requirements.

For Social Science requirement, choose from outside PSY – Psychology.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement

Writing, MTH 243, HO 100, and Physics course are transfer program prerequisites. See advisor for other choices.

Transfer Plan

WR 121 Introduction to Academic Writing WR 122 Composition: Argument, Style	4
and Research	4
MTH 097 Geometry	4
MTH 111 College Algebra	5

MTH 112 Trigonometry MTH 243 Introduction to Probability	4
and Statistics	4
AAOT Oral Communication requirement	4
AAOT Health/Wellness/Fitness	3-4
AAOT Arts and Letters requirement	9-12
AAOT Social Science requirement	3-4
AAOT Science with lab requirement	8
PSY 201 General Psychology	3
PSY 215 Lifespan Developmental Psychology	3
PSY 239 Introduction to Abnormal Psychology	3
HO 100 Medical Terminology	3
PH 201 General Physics	5
Electives	19
Cooperative Education	6
Total Credits	94-99

Pre-Optometry

Offered by the Science Division, 541.463.5446 Transfer Plan includes prerequisites for transfer

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer to an optometry program elsewhere. The guide below includes all preoptometry courses that can be taken at a two-year institution for the professional optometry program at Pacific University, as well as the necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for an optometry degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane science advisor, and also to be aware of changes in programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Please note Prerequisites are required for some courses. See course descriptions.

All Optometry prerequisites must be taken for a letter grade of C or higher. Other courses must be taken for a letter grade of C-or higher. See science advisor for details.

See science advisor for AAOT Foundational Skills and Discipline Studies course selection.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement

All Biology, Chemistry, Physics, Arts and Letters, Social Science, Writing, MTH 241/251 and MTH 243 are program prerequisites. See advisor for other choices.

Transfer Plan WR 121 Introduction to Academic Writing WR 227 Composition: Technical Writing MTH 097 Geometry MTH 111 College Algebra MTH 112 Trigonometry MTH 241 or 251 Elementary Calculus 1 or 4-5 Calculus 1..... MTH 243 Introduction to Probability and Statistics..... 4 AAOT Oral Communication requirement AAOT Health/Wellness/Fitness 3-4 9-12 AAOT Arts and Letters requirement AAOT Social Science requirement 6-8 PSY 201 General Psychology 4 PSY 202 or PSY 203 General Psychology 4 CH 221, 222, 223 General Chemistry..... 15 BI 211, 212 Principles of Biology 8 PH 201, 202, 203 General Physics..... 15

Total Credits 97-104

Pre-Pharmacy

Offered by the Science Division, 541.463.5446

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer to a pharmacy program elsewhere. The guide below includes all prepharmacy courses that can be taken at a two-year institution for the professional pharmacy programs at Oregon State University and Pacific University, as well as necessary general education requirements for an AAOT. The transfer plan includes prerequisites for transfer.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have

met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for a pharmacy degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Prerequisites are required for some courses. See Couse Descriptions.

All courses except WR 121 and MTH 097 must be taken for a letter grade and earn a grade of a C or higher.

See science advisor for AAOT Foundational Skills and Discipline Studies course selections.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement.

All courses except writing, geometry, Health/Wellness/Fitness, and PSY 201 are program prerequisites. See advisor for other choices.

Pacific University requires PH 201 only, not PH 202-203.

Transfer Plan

WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style and Research	4
MTH 097 Geometry	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
MTH 241 or 251 Elementary Calculus 1 or Calculus 1	4-5
MTH 243 Introduction to Probability and Statistics	4
SP 218 Interpersonal Communication	4
AAOT Health/Wellness/Fitness requirement	3-4
AAOT Arts and Letters requirement	9-12
AAOT Social Science	3-4
AAOT Social Science requirement (not PSY)	3-4
PSY 201 General Psychology	4
ECON 200 Principles of Economics: Introduction	
to Economics	3
ECON 201 or 202 Introduction to Microeconomics or	
Macroeconomics	3
CH 221, 222, 223 General Chemistry	15
CH 241, 242, 243 Organic Chemistry	15
BI 211, BI 212, Z 213 Principles of Biology	12
PH 201, 202, 203 General Physics	5-15
_	

Total Credits 108-125

Pre-Physical Therapy

Offered by the Science Division, 541.463.5446

Transfer Plan includes prerequisites for transfer

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer

to a physical therapy program elsewhere. The guide below includes all pre-physical therapy courses that can be taken at a two-year institution for the professional physical therapy programs at Pacific University, as well as necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for a physical therapy degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Program prerequisites include MTH 243, as well as all writing, psychology, chemistry and physics courses. See advisor for other choices

Prerequisites are required for some courses. See course descriptions.

With the exception of MTH 097, all courses must be taken for a letter grade and passed with a "C" or higher.

See science advisor for AAOT Foundational Requirements and Discipline Studies course selection.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement

For AAOT Social Science requirement choose from outside PSY – Psychology.

Transfer Plan	
WR 121 Introduction to Academic Writing	4
WR 122 Composition: Argument, Style	
and Research	4
MTH 097 Geometry	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4

MTH 243 Introduction to Probability and Statistics	4
AAOT Oral Communication requirement	4
AAOT Health/Wellness/Fitness	3-4
AAOT Arts and Letters requirement	9-12
AAOT Social Science	3-4
AAOT Social Science requirement (not PSY)	3-4
PSY 201 General Psychology	4
PSY 215 Lifespan Developmental Psychology	3
PSY 239 Introduction to Abnormal Psychology	3
CH 221, 222, 223 General Chemistry	15
BI 211, BI 212, Z 213 Principles of Biology	12
PH 201, 202, 203 General Physics	15
Total Cradita	00 104

Total Credits 99-104

Pre-Physician Assistant

Offered by the Science Division, 541.463.5446
Transfer Plan includes prerequisites for transfer
Associate of Arts Oregon Transfer degree

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer to a physician assistant program elsewhere. The guide below includes all pre-physician assistant courses that can be taken at a two-year institution for the professional physician assistant programs at Oregon Health Sciences University and Pacific University, as well as necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for a physician assistant degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. See a Lane science advisor for assistance in course selection and transfer policies.

Prerequisites are required for some courses. See course descriptions.

All Physician Assistant prerequisites must be taken for a letter grade of C or higher. Other courses must be taken for a letter grade of C- or higher. See science advisor for details

See science advisor for course selection for AAOT Foundational Skills and Discipline Studies.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement

All Writing, General Chemistry, MTH 243 and electives are program prerequisites. See advisor for other choices.

BI 211, 212, 213 are OHSU prerequisites only.

CH 241 is a Pacific University prerequisite only.

WR 121 Introduction to Academic Writing WR 122 Composition: Argument, Style and Research..... MTH 111 College Algebra 5 MTH 243 Introduction to Probability 4 and Statistics..... 4 AAOT Oral Communication requirement AAOT Health/Wellness/Fitness requirement 3-4 9-12 AAOT Arts and Letters requirement AAOT Social Science requirement 9-12 PSY 201 General Psychology 15 CH 221, 222, 223 General Chemistry..... CH 241 Organic Chemistry 5 BI 211, BI 212, Z 213 Principles of Biology..... 12 10-17 Electives to bring total to 90 credits..... Total Credits 88-102

Pre-Veterinary Medicine

Offered by the Science Division, 541.463.5446

Transfer Plan includes prerequisites for transfer

Associate of Arts Oregon Transfer degree

This transfer plan is for students who want to earn an Associate of Arts Oregon Transfer (AAOT) degree at Lane Community College and complete prerequisite courses for transfer to a veterinary medicine program elsewhere. The guide below includes all pre-veterinary courses that can be taken at a two-year institution for the professional veterinary medicine programs at Oregon State University, as well as necessary general education requirements for an AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or

GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Transfer institutions require additional coursework for a veterinary medicine degree, and may change prerequisites from year-to-year. Any student interested in transfer must accept responsibility to work very closely with a Lane academic advisor, and also to be aware of changes in prerequisites for programs at potential transfer institutions.

General education courses transferred within a completed AAOT degree satisfy lower division general education requirements for any of Oregon's public universities and will transfer intact. Courses numbered below 100 generally do not transfer. See a Lane science advisor for assistance in course selection and transfer policies.

Prerequisites are required for some courses. See course descriptions.

All courses except MTH 097 must be taken for a letter grade and earn a grade of a C- or higher.

See science advisor for course selection for AAOT requirements.

One Social Science or Arts and Letters course needs to meet Cultural Diversity Requirement.

All Arts and Letters, Social Science, Physics, Writing, MTH 241/251, and MTH 243 are program prerequisite. See advisor for other choices.

Transfer Plan

AAOT Arts and Letters requirement	9-12
AAOT Health/Wellness/Fitness requirement	3-4
AAOT Social Science requirement	12-15
BI 211, BI 212, Z 213 Principles of Biology	12
CH 221, 222, 223 General Chemistry	15
CH 241, 242, 243 Organic Chemistry	15
MTH 097 Geometry	4
MTH 111 College Algebra	5
MTH 112 Trigonometry	4
MTH 241 or 251 Elementary or Differential Calculus	4-5
MTH 243 Introduction to Probability and Statistics	4
PH 201, 202, General Physics	10
SP 111 Public Speaking	4
WR 121 Introduction to Academic Writing	4
WR 227 Technical Writing	4

Total Credits 109-117

Psychology Transfer Plan

Associate of Arts Oregon Transfer (AAOT) degree (for University of Oregon only)

This outline is valid for transfer to the University of Oregon only, and is current at the time this catalog was printed. It is subject to change, so be sure to contact your academic advisor

or program counselor for any updates that may have occurred after this catalog went to print.

For the Cultural Literacy requirement of the AAOT, see the AAOT program guide for courses that meet this requirement.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

You will need enough elective credits to bring your degree total to 90 transfer credits. Consider PSY 280 (co-operative education) to fulfill some electives. Please consult with your academic advisor or program counselor for other suggested electives.

Lab sciences specified by the University of Oregon for psychology majors are 12 credits of Biology, Chemistry, or Physics. Courses need not be in sequence, but must be taken from the same area (e.g., 12 credits/one year of biology OR chemistry OR physics).

One Arts and Letters or Social Science course must satisfy the Cultural Literacy Requirement for the AAOT degree. See description of AAOT degree for a list of courses that satisfy this requirement.

For course recommendations for psychology majors planning to transfer to other universities, contact your academic advisor or program counselor.

First Year WR 121 Introduction to Academic Writing AAOT Health/Wellness/Fitness AAOT Oral Communication AAOT Arts and Letters	Fall 4 3-4 4 3-4
Total Credits	14-16
WR 122 Composition: Argument, Style and Research AAOT Arts and Letters	Winter 4 3-4 3-4 5
AAOT Arts and Letters	15-17 Spring 3-4 3-4 3-4 3-4
Total Credits	12-16

Second Year PSY 201 General Psychology	Fall 4 4 3-4 3-4
Total Credits	14-16
PSY 202 General Psychology	Winter 4 4 3-4 3-4 14-16
PSY 203 General Psychology	Spring 4 4 3-4 0-8

Speech and Communication Studies

Offered by Language, Literature, and Communication Division, 541.463.5419

Transfer Plan

Lane Community College's four core learning outcomes emphasize the critical nature of communication to one's education and success in the workplace. To achieve competence in communication, students need more than a one-course requirement in a Speech and Communication Studies class. This transfer plan also demonstrates to prospective and current employers their enhanced speech and communication skills.

By selecting one of the following tracks students can prepare themselves for careers in law, public relations, communication consulting, business administration, teaching, speechwriting, speech/debate direction, broadcast, counseling, mediation, labor relations, public opinion research, human resources, advertising, educational administration, lobbying, and marketing, to name a few fields.

Courses below are appropriate electives for students interested in optimizing their background in Speech and Communication Studies.

This transfer plan is available in two tracks:

- **1. Academic track**—for students interested in pursuing a bachelor's degree or a minor in Speech and Communication Studies.
- **2. Occupational track**—for students completing a two-year degree program who are interested in maximizing their proficiency in speech and communication as an enhancement to occupational performance and flexibility.

Cooperative Education (Co-op) Students in either the academic or occupational track may elect to complete a one-term internship related to the field of Speech and Communication Studies. This work is completed under the joint supervision of the Cooperative Education program at Lane and a Speech and Communication Studies faculty member. Letters of recommendation

from the supervising employer and credits earned in practicum can give students a competitive edge when applying for employment. Internships may focus on public relations, advertising, political canvassing, environmental or health education, marketing, or other fields.

Course Requirements

Prerequisites are required for some courses. See course descriptions.

One Arts and Letters or Social Science course must meet the AAOT Cultural Literacy requirement.

SP 115 and 220 fulfill the AAOT Cultural Literacy requirement.

In addition to the recommended Speech courses listed in the tracks below, these General Education courses are needed to complete the AAOT degree:

WR 121 Introduction to Academic Writing	4
Choice of	4
WR 122 Composition: Argument, Style, and Research	
WR 227 Technical Report Writing	
Choice of	4-5
MTH 105 Introduction to Contemporary Mathematics	
MTH 111 College Algebra (or any higher Math course)	
AAOT Health/Wellness/Fitness requirement	3
AAOT Science with lab requirement	12
AAOT Arts and Letters requirement (not Speech)	3-4
AAOT non-lab Science, math,	
computer science requirement	3-4
AAOT Social Science requirement 1	12-16
AAOT Electives	18-25

Communication Studies Academic Track

The transfer plan recommends Foundational Skills Requirements for the **AAOT** (SP100, 111, 112, 130, 218), **ASOT** (SP100, 105, 111, 112, 115, 130, 218, 219, 220, 262), or **OTM** (SP100, 111, 112) along with four elective courses in Speech and Communication Studies.

To complete the transfer plan, select **four courses** from the remainder of the Speech and Communication Studies curriculum. All of the following are four credits. Two of these courses may also be applied to the AAOT or ASOT Introduction to Disciplines Arts and Letters Requirement, which specifies that a student must choose 12 credits from at least *two* disciplines.

SP 100 Basic Communication

SP 105 Listening and Critical Thinking

SP 111 Fundamentals of Public Speaking

SP 112 Persuasive Speech

SP 115 Introduction to Intercultural Communication

SP 130 Business and Professional Speech

SP 218 Interpersonal Communication

SP 219 Small Group Discussion

SP 220 Communication, Gender and Culture

SP 221/222/223 Forensics (1-2 credits)

SP 262 Voice and Articulation

Communication Studies Occupational Track

The plan recommends three skills-oriented courses that include the following:

SP 105 Listening and Critical Thinking

SP 111 Fundamentals of Public Speaking or

SP 130 Business and Professional Speech

SP 219 Small Group Discussion

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Teacher Education Preparation

Offered by Cooperative Education Department, 541.463.5203

Transfer Plan

Elementary Teacher Preparation

This information is a guide for students interested in pursuing a career in elementary education.

Nineteen Oregon schools offer teacher education preparation. Admission is selective and based on coursework, experience with children, tests scores, and other application material. Every school has a specific set of recommended and required curriculum that students should follow to increase their chances of being admitted. It is critical that students work closely with a Lane education advisor in selecting the transfer school and designing their educational plan.

A broad liberal arts curriculum including coursework in literature, art, music, child development, history, geography, mathematics (including geometry and algebra), biology and physical science is required of many education programs. In addition, experience working in a classroom setting under the supervision of a certified teacher is beneficial to students considering a teaching career.

Cooperative Education (Co-op) offers Lane students the opportunity to gain classroom experience at the elementary or secondary level. Letters of recommendation from the supervising teacher, your Lane instructors in courses in education, and credits earned through Co-op give students a competitive advantage when applying for admission to four-year education programs and to graduate programs.

Students unsure of whether they want to become teachers may participate in the Foundations of Education seminar while also working in a classroom to help decide if teaching is a good career choice for them.

For information about seminar classes and gaining experience in a classroom, contact: Merrill Watrous, Education Co-op Coordinator, Center 420H, 541.463.5423, watrousm@lanecc.edu

The following list is a sample of classes that many elementary

education programs recommend. It may be a good starting point for students who have not yet identified a specific transfer institution. Completion of these suggested classes can be applied toward the Associate of Arts Oregon Transfer (AAOT) degree.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Consult with Lane's education advisors for course planning to meet your specific educational goals.

Course Requirements

Prerequisites are required for some courses. See course descriptions.

ANTH 103 also satisfies the AAOT Cultural Literacy requirement.

Biology courses other than BI 101,102,103 may be acceptable at some of the teacher education preparation programs. See Lane education academic advisors or counselors for detailed information.

Suggested Classes for Education majors who plan to complete the AAOT Degree:

Foundational requirements

WR 121 Introduction to Academic Writing Choice of:

WR 122 Composition: Argument, Style, and Research or

WR 227 Technical Writing

MTH 211 Fundamentals of Elementary Mathematics 1

HE 275 Lifetime Health and Fitness

SP 111 Fundamentals of Public Speaking

Arts and Letters

ENG 100 Children's Literature or ENG 106 Introduction to Literature: Poetry ART 204 or 205 or 206 History of Western Art MUS 101 Music Fundamentals

Social Science

HST 201 or 202 or 203 History of the United States1 (two courses) ANTH 103 Cultural Anthropology PSY 201 General Psychology

Science with lab

BI 101 or 102 or 103 General Biology (two courses) CH 104 Introduction to Chemistry 1 or GS 104 or GS 105 or GS 106 Physical Science

Other Science

MTH 212 Fundamentals of Elementary Mathematics 2

Recommended Electives for AAOT Degree

ED 200, 201 Foundations of Education

ED 258 Multicultural Education ED 280 Cooperative Education MTH 213 Fundamentals of Elementary Mathematics 3 PHIL 201 Ethics PS 201 or PS 202 U.S. Government and Politics SPAN 101, 102, 103 Spanish, First Year

Additional suggested courses for Education majors

ENG 104, 105, 106 Introduction to Literature
G 101 Earth's Dynamic Interior or
G 102 Earth's Dynamic Surface or
G 103 Evolving Earth
GEOG 142 Introduction to Human Geography
GS 104,105, 106 Physical Science
PH 101 or 102 or 103 Fundamentals of Physics
Introductory Art and/or Music classes (see AAOT degree for

Middle/High School Teacher Preparation

For middle/high school teaching (secondary education), students should major in the subject they plan to teach. Examples of subjects commonly taught are History, Geography, English, Mathematics, Biology and general or specific Science. For more information about middle/high school teaching contact Counseling and Advising and ask to meet with the advisor for your specific major.

Theater Transfer

approved courses)

Offered by Music, Dance and Theatre Arts, 541.463.5209 Associate of Arts Oregon Transfer Degree Plan for Theater Majors

This curriculum is designed for the student who intends to complete requirements for an Associate of Arts Oregon Transfer (AAOT) degree and transfer to a four-year university with a major in Theater. Detailed information about the AAOT can be found under the Degrees and Certificates section of this catalog.

The curriculum is comprised of general education requirements, major requirements and electives. Completion of the AAOT degree will satisfy all the lower division (freshman and sophomore) general education requirements at any four-year *public university in the state of Oregon*. Completion of the Theater courses listed below will typically satisfy lower division Theater requirements for most schools. Some Theater programs may require additional coursework. Students looking to transfer to private colleges or out-of-state schools may benefit from pursuing a direct transfer plan in lieu of the AAOT.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission to public universities in Oregon. Some students may have

met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

It is very important that students work closely with Lane's Arts advisors and advisors at their transfer school to tailor this curriculum to meet the specific requirements of the desired transfer institution. Some transfer schools require a separate application to the Theater major that also includes an audition. Students are encouraged to begin their transfer planning one year prior to the date of transfer. Since requirements at transfer schools may change after the catalog has been printed, students are encouraged to refer to on-line advising resources.

Many students do not place directly into college transfer level writing or math. Consult with an academic advisor or counselor for a review of your placement test results and the appropriate sequence of courses to reach writing and math needed for the AAOT degree. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements. Students needing to take preparatory courses will need to plan for additional credits and/or terms at Lane prior to transfer.

For planning purposes, it is best to apply for transfer admission, program admission, and financial aid by January 15th of the desired transfer year. Check specific transfer program for application deadlines.

One Social Science, Arts and Letters, or Science course must satisfy the AAOT Cultural Literacy requirement. See AAOT degree for courses that satisfy this requirement.

First Year	Fall
WR 121 Introduction to Academic Writing	4
Choice of:	4-5
MTH 105 Introduction to Contemporary Math	
MTH 111 College Algebra	
TA 141 Acting 1	3
Theater Production, Theater Writing or Elective	3
AAOT Health/Wellness/Fitness	3 1
AAOT neatti/weilitess/ritiless	
Total Credits	15-16
	Winter
WR 122 Composition: Argument, Style and Research	4
AAOT Social Science	3
TA 142 Acting 2	3
Theater Production, Theater Writing or Elective	3
AAOT Health/Wellness/Fitness	1
Total Credits	14
	Spring
AAOT Oral Communication requirement	
	4
AAOT Social Science	4 3
AAOT Social Science	3
AAOT Social Science	3 3
AAOT Social Science	3 3 3-4
AAOT Social Science TA 143 Acting 3 AAOT Science/Math/Computer Science AAOT Health/Wellness/Fitness	3 3 3-4 1
AAOT Social Science	3 3-4 1 14-15
AAOT Social Science	3 3-4 1 14-15
AAOT Social Science	3 3-4 1 14-15 Fall 3
AAOT Social Science TA 143 Acting 3 AAOT Science/Math/Computer Science AAOT Health/Wellness/Fitness Total Credits Second Year TA 241 Intermediate Acting Theater Rehearsal and Performance or Elective AAOT Science with lab AAOT Social Science	3 3-4 1 14-15 Fall 3 3
AAOT Social Science	3 3-4 1 14-15 Fall 3 3 4-5
AAOT Social Science TA 143 Acting 3 AAOT Science/Math/Computer Science AAOT Health/Wellness/Fitness Total Credits Second Year TA 241 Intermediate Acting Theater Rehearsal and Performance or Elective AAOT Science with lab AAOT Social Science	3 3-4 1 14-15 Fall 3 3 4-5 3

	Winter
TA 242 Intermediate Acting	3
Theater Rehearsal and Performance or Elective	3
AAOT Science with lab	4-5
AAOT Social Science	3
AAOT Elective or Foreign Language as needed	3-5
Total Credits	16-19
TA 242 Intermediate Acting	Spring
TA 243 Intermediate Acting	3
Theater Rehearsal and Performance or Elective	3
Theater Rehearsal and Performance or Elective	3 3 4-5
Theater Rehearsal and Performance or Elective	3 3 4-5 3
Theater Rehearsal and Performance or Elective	3 3 4-5

Women's Studies

Offered by Multiple Departments

Transfer Plan

This is a transfer plan for students interested in women's studies who wish to complete an AAOT degree. However, those not choosing to pursue a degree progression may find this a useful listing as well. Current Women's Studies offerings at Lane fulfill all course requirements in the Arts and Letters and the Social Science categories of the AAOT degree.

Women's Studies is an interdisciplinary field that explores how gender relations structure our lives. Through feminist scholarship and a focus on women, Women's Studies challenges and transforms existing thought and practices across academic boundaries. Women's Studies courses at Lane address the manner in which gender—entangled with issues of race and class—remains a critical lens of analysis in the artistic, literary, religious, political, economic, and interpersonal aspects of society.

There are hundreds of women's studies programs in colleges and universities across the country offering undergraduate minors and majors as well as graduate degrees and graduate certificates including a few programs that offer Ph.D.'s. Because Women's Studies at Lane is an interdisciplinary program, students who take women's studies courses are prepared to enter a variety of fields and address the accompanying gender issues that they will invariably face. Any career objective can benefit from courses taken in women's studies as the field inherently enhances critical thinking skills through cross-disciplinary analyses.

Please note The AAOT degree requires 90 total credits, with specific general education requirements in Foundational Skills and Discipline Studies. AAOT graduates admitted to Oregon public universities are guaranteed to have fulfilled all lower division general education requirements and are ensured junior status for registration purposes. Some universities may have additional upper division general education requirements or GPA requirements for admission to a specific major. Oregon public universities will admit transfer students with an AAOT GPA of 2.0 or better, according to OUS Undergraduate Transfer Admission Requirements.

Students who graduated or received a GED in spring of 1997 or thereafter are required to have a second language for admission

to public universities in Oregon. Some students may have met this requirement in high school. Consult with an academic advisor or counselor to determine whether or not you need to take college level second language.

Prerequisites are required for some courses. See course descriptions.

See AAOT degree requirements for approved courses for requirements and limitations on electives.

For those interested in going on to obtain a women's studies degree, minor or certificate, the women's studies courses at Lane are transferable. For example, the Women's and Gender Studies program at the University of Oregon allows up to eight credits to transfer for a major or minor in women's studies. See Patsy Raney, Women's Studies Instructor, 541.463.5877 or email raneyp@lanecc.edu for further information.

First Year	Fall
WS 101 Introduction to Women's Studies	4
ENG 222 Literature and Gender	
or ENG 260 Introduction to Women Writers	4
WR 121 Composition: Introduction to	
Academic Writing	4
AAOT degree elective	3
Total Credits	15
	Winter
HST 266 U.S. Women's History (elective)	4
SP 220 Communication, Gender, and Culture	4
WR 122 Composition: Argument, Style, and Research	4
AAOT degree elective	3
Total Credits	15

Spring	
SOC 108A Selected Topics in Women's Studies, Women's Bodies Women's Selves (elective)	3
FA 264 Women Make Movies	4
AAOT degree Health/Wellness/Fitness requirement	3
AAOT degree (non-lab) Science requirement	3
AAOT degree elective	3
Total Credits	16
Second Year	Fall
ENG 222 Literature and Gender	
or ENG 260 Intro to Women Writers	4
MTH 105 Intro to Contemporary Mathematics	4
AAOT Science (with lab) requirement	4
AAOT degree elective	3
Total Credits	15
	Winter
SOC 207 Women and Work	Winter 3
SOC 207 Women and WorkAAOT Oral Communication requirement	
AAOT Oral Communication requirementAAOT Science (with lab) requirement	3 4 4
AAOT Oral Communication requirement	3
AAOT Oral Communication requirementAAOT Science (with lab) requirement	3 4 4
AAOT Oral Communication requirement	3 4 4 3
AAOT Oral Communication requirement	3 4 4 3 14
AAOT Oral Communication requirement	3 4 4 3 14
AAOT Oral Communication requirement	3 4 4 3 14 Spring 4 3
AAOT Oral Communication requirement	3 4 4 3 3 14 Spring
AAOT Oral Communication requirement	3 4 4 3 14 Spring 4 3

Academic Advising Online

Free online resources are available for ALL majors! **moodle** On lanecc.edu, choose the Moodle button. Select Academic Advising, find your specific major, and follow the instructions to Login or select Login as a Guest.

Notes

Accounting

Also see Computers: Software Applications

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

at Federal and Oregon income taxation. Completing BT 272 and BT 273 meets the Board of Tax Service Examiners educational requirements to take the Oregon Tax Preparer's Licensing Examination.

BT 276 Automated Accounting Systems......4 credits Prerequisites: BA 211, BT 123 (formerly BT 114), and BT 163 (formerly BT 113). The purpose of this course is to provide students with a basic understanding of accounting information systems, including the differences between double-entry bookkeeping and database accounting. They will learn to use information technologies to understand how an accounting information system gathers and transforms data into useful decision-making information. The course will primarily teach students about business processes, accounting internal controls, and capturing accounting data and turning it into useful output. Students will learn automated accounting data management techniques, documentation, and accounting internal controls. Students will create an accounting procedures manual which documents and flowcharts the accounting system. May be offered online. Note: BT 276 was formerly numbered BT 250. A student who has taken this class under the previous number may not take it again under this new number and receive duplicate credit.

Acting - See Theatre Arts

Administrative Support

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

BA 280AA Co-op Ed: Administrative Office3-12 credits Completion of BT 206 is highly recommended. In this internship course students will gain administrative support 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 if possible.

and classroom practice and discussion about soft skills, professionalism, and customer service, and through preparation of job search documents. Students will practice formatting and arranging informal reports, correspondence, and other business documentation and will continue the development of keyboarding skills. May be offered online.

BT 230 Sustainable Paperless Office Practices

using Adobe Acrobat4 credits Prerequisites: BT 120. Recommend the ability to accurately type approximately 30 words per minute. Visit lanecc.edu/business/testing /keyboarding-skill-competency-recommendations for Business Department keyboarding guidelines or contact the instructor for details. This course will teach the student how to create virtually any document in a PDF format, preserving the exact look and content of the original, and how to unify a wide variety of documents such as spreadsheets, presentation, email, rich media, and more into a single, cohesive PDF Portfolio. Students will be able to create, enhance, and review PDF documents and create fillable forms. Students will learn how to distribute PDF documents reliably and securely by email, the web, intranets, file systems, CDs. and web services. Other topics will include electronic records keeping, ethical and legal matters around electronic data, electronic signatures, and security. It will teach the student to use a high-volume scanner to scan existing documents into an electronic file management system. May be offered online.

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.

- BI 298 Independent Study1-3 credits
 A variable credit course based on independent study contracted between an instructor and a student.

Anthropology

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

ANTH 280 Co-op Ed: Anthropology.......2-12 credits This course provides students anthropology-related work experience in community organizations. Students will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world. In this course students may develop skills, explore career options, and network with professionals and employers while earning credit toward a degree.

design as described for ANTH231. May be taken out of sequence.

Apprenticeship

For information about course content or other questions, visit boli.state.or.us and lanecc.edu/apprenticeship or call 541.463.5843.

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

APR 133 Electrical Generators, Transformers,

APR 134 Electrical Generators, Transformers

APR 135 Electrical, Generators, Transformers,

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 142 Testing Equipment and Specialized

APR 151 Millwright Machine Theory

APR 152 Millwright: Power Transmissions

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 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 172 Sheet Metal/HVAC/R Blueprint Reading......3 credits Designed for Oregon state-recognized apprentices employed in the HVAC/R or sheet metal trades. The course content includes introduction to specifications, submittals, blueprint reading, drafting

blueprints, scaling existing buildings and drafting architectural components and mechanical systems.

APR 204 Carpentry Advanced Layout

APR 205 Carpentry Advanced Planning and Management..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 welding equipment, procedures and safety, specialized interior and exterior finish materials, and the construction planning process. Management topics are also discussed, specifically, scheduling, estimating, and supervisory skills.

 perform heat pump installation. This class is designed for Oregon state-recognized apprentices working in the HVAC/R trade.

APR 220 Electrical Apprenticeship Code

APR 226 Electrical Grounding/Bonding

APR 250 Millwright: Industrial Print Reading.

Students will practice take-off's and bid proposals by using various sets of industrial prints to provide cost estimations.

APR 263 Plumbing Code and Test Preparation2-3 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.

Architecture - See Drafting

Art History

For information, contact the Art and Applied Design Department, Bldg. $11/Rm.\ 101,\ 541.463.5409.$

various cultures of pre-Columbian America and the continuing traditions of ancestral peoples. Cultures explored will include the Mayan. Aztec, Inuit, and major nations of prehistoric and modern Canada and the United States.

ART 204 History of Western Art......3 credits Historical survey of the visual arts from prehistory to the fall of the Roman Empire. Examines the role of art within emerging cultures and civilizations, the relationship of art to social, political and philosophical contexts, and connections of past art and culture to the present.

ART 205 History of Western Art......3 credits Historical survey of the visual arts from the early Christian era through the High Renaissance in Europe. Examines the relationship of art to religion within a social, historical, political and philosophical context, and explores how these connections relate to the present.

ART 206 History of Western Art......3 credits Historical survey of the visual arts from the 16th to the late 19th century, with an emphasis on the Western world. Examines the role of art in the emergence of modern societies and nations, and how political and philosophical contexts are revealed in art, and explores how these connections relate to the present.

ART 207 Arts of India3 credits A survey of the art and architecture of south-central Asia from the Indus Valley Civilization to the Colonial Period. Works and monuments are used to explore the traditions and contexts of Indian art and history, with a particular look at the art of Buddhist, Hindu, and the Mughal cultures.

A survey of the art and architecture of China from the neolithic era to the 18th century.. Works and monuments are used to explore the traditions and contexts of Chinese and East Asian culture throughout its history. Major topics include Chinese archaeology, Imperial Chinese culture, religious and philosophical traditions such as Daoism and Confucianism, the impact of Buddhism, Chinese architectural forms, and ink painting and landscape traditions..

ART 209 Arts of Japan3 credits A survey of the art and architecture of the Japanese islands from the ancient Jomon culture to the 19th century. Works and monuments are used to explore the traditions and contexts of Japanese culture as it developed throughout its history. Major topics include ancient pottery, the emergence of the Japanese state and imperial culture, the impact of Buddhism, Japanese architectural forms, the shogunates and warrior culture, and the interchanges between Japan and other cultures. May be offered online.

ART 211 Early Modern Art: 1850-1910......3 credits Historical survey of the development of early "modern" art from the mid-19th century to the beginning of the 20th century. Examines major styles, monuments and artists within their cultural context, including Impression, Post Impression and Cubism. Explores the impact of these artistic developments on later art and society.

ART 212 Twentieth-Century Art......3 credits Historical survey of 20th-century art. Examines key artist, styles and movements within a social, philosophical and political context. Course emphasizes developments during first half of the century, but which inform the visual arts today. Includes presentations by practicing artists to provide connections to art in our current time.

ART 213 History of Photography 2: 1910-19503 credits An exploration of the origins of photography from 1910 to 1950. Course modules explore the development of specific types of photography, and how they influenced the worldviews. Photographs are examined in cultural and critical terms, allowing students to think critically about photographs as well as their place in a society. The course may be taught via distance learning, and requires the student to develop information literacy skills, as well as to improve basic research and writing skills. May be offered online.

ART 214 Arts of the United States3 credits A historic study of the artistic traditions of the United States form the Colonial period to the early modern era. Works are used to investigate the cultural traditions of the country as they reflect its growth and development. Major topics will include Colonial portraiture, landscape and place in 19th century art, nationalism and historical moments, the West as a cultural idea, the impact of industrialism and urban culture, and early developments in modernism. May be offered online

ART 217 Islamic Art......3 credits A survey of the art and architecture of Islamic cultures from its beginnings to the modern era. Works and monuments are used to explore the traditions and contexts of Islamic culture throughout the world. Major topics include the development of Islam and its artistic forms, regional variations of Islamic art, the intermingling of Islamic and non-Islamic cultures, and Islamic decorative traditions.

Art, Studio

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541.463.5409.

ART 102 Art Survival Skills.....3 credits Prerequisite: ART 115, or ART 116, or ART 131 or ART 250. A specialized, in-depth study of the skills needed to survive as an artist in today's society.

Introduction to a variety of art professions, including studio art, teaching, graphic design and multimedia. Topics will include guest speakers and successful studio practices such as personal responsibility, self-motivation, self-management, organizational skills and college transfer programs.

ART 115 Basic Design: Fundamentals3 credits Beginning course in two-dimensional design for art and non-art majors. Emphasis is on fundamental visual elements, concepts, and theory that are basic to drawing, painting, graphic design and other media. Strongly recommended for first year art majors, taken prior to ART116 and concurrently with ART111 and ART131.

ART 115 H Basic Design: Fundamentals-Honors 3 credits This is an honors class open to any student prepared to complete honors-level coursework. Honors classes delve deeper into course topics and require 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 more information. Beginning course in two-dimensional design for art and non-art majors. Emphasis on fundamental visual elements, concepts and theory basic to drawing, painting, graphic design and other media. Strongly recommended for first year art majors, taken prior to ART116 and concurrently with ART111 and ART131.

Beginning course on color for art and non-art majors. Emphasis is on fundamental visual concepts, theory, and application of color in two-dimensional and three-dimensional artworks including painting, graphic design, sculpture, fiber arts, and printmaking. Strongly recommended students first take ART 115.

Beginning course on the fundamental principles of three-dimensional design for art and non-art majors. Studio projects explore basic elements such as mass, physical texture, space, delineation of space, and planes in space. A foundation course for students interested in ceramics, sculpture, architecture, and other three-dimensional design fields.

ART 118 Artist Books and Pop-up4 credits In this course, students will learn to construct a variety of basic folded and stitched book structures and learn pop-up techniques. Curriculum will focus on design process development, conceptual development and typographic layout. Students will learn the history of the book form throughout the world, the history of movable books, and the history of artist's books and fine press books. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

ART 120 Intermediate Artist Books and Pop-up 4 credits Prerequisite: ART118 An artist book is an intentional work of art created in the form of a book. Students will create basic folded and stitched books and learn pop-up techniques. Topics: design process, conceptual development, typographic layout; history of movable, fine press and artist books.

ART 131 Introduction to Drawing......3 credits Beginning course for art and non-art majors. Emphasis on concepts of drawing and developing skills in observation to describe threedimensional objects on two-dimensional surfaces. This course or equivalent ability level is a prerequisite for many 200-level studio courses. Recommend art majors take concurrently with ART 115. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

251 before advancing to Ceramics: Intermediate ART 253. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

emphasizes both skill development and personal image making. 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.

ART 280A Co-op Ed: Art and Applied Design3-12 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.

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.

Astronomy - See Physics

Audio - See Media Arts

Auto Collision and Refinishing

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541,463,5380.

AB 260 Intermediate Auto Painting.......1-12 credits Prerequisite: AB 132 Theories and principles used in the auto paint industry. Technical information and shop projects to apply and understand surface preparation, undercoats, intermediate application of color coats, intermediate masking, and refinishing equipment.

AB 280 Co-op Ed: Auto Body and Fender3-12 credits This course provides students with auto body-related learning in community businesses. Students will have the opportunity to integrate theory and practice gained in the classroom with practical experience in the professional world. Students will develop skills, explore career options and network with professionals and employers while earning credit toward a degree.

Automotive

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

AM 147 Suspension and Steering1-6 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 service.

AM 246 Heating and Air Conditioning1-4 credits Automotive heating and air conditioning systems. Theories and principles used to operate, diagnose, test, and repair systems. Includes: 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 the Lane Aviation Academy, Airport Road, 541.463.4195.

AV 195 General 104.....1-6 credits Prerequisite: AV 194. Aircraft and engine electrical systems and components. Technical information and laboratory projects to apply and understand theories, principles, and concepts.

sections. Credits are issued on the basis of satisfactory completion of subtopics within each section.

AV 283 Powerplant Return to Service......1-6 credits Prerequisite: AV 192, AV 193, AV 194, AV 195, AV 196, MTH 076, And MTH 086 Powerplant systems and components. Technical information and practical application of theories, principles, and concepts.

Biology

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

BI 101J General Biology-Unseen Life on Earth....... 4 credits An introduction to the cellular biology of the smallest organisms on earth. Microbes are crucial to human health, food supplies and the survival of all life forms. Students explore the diversity and contributions of microbes such as bacteria, fungi, and viruses. Online course with lab activities conducted at home.

BI 102G General Biology: Genetics and Society....... 4 credits 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. May be offered online.

processes, and conservation efforts with emphasis on learning flower characteristics for plant identification. Students practice describing habitats and identifying plants on local field trips to different ecosystems.

BI 103M General Biology: Biodiversity&Sustainability 4 credits Students use biological principles of evolution, taxonomy and ecology to learn the principles of sustainability, with reference to social and economic issues. This course is unique in placing humans within the taxonomic realm of living organisms affected by environmental issues

Botany - See Biology

Broadcasting - See Media Arts

Business

Also see Accounting, Administrative Support, Computers

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

develop and market as well as provide ways of handling product and service development, distribution, promotion, and pricing. Additional emphasis is placed on how managers should make marketing decisions which best create customer value. The course is designed for both business majors and non-majors. May be offered online.

 and purchase decisions. May be offered online. Offered through Clackamas Community College. A host-provider fee may apply.

BA 280SM Co-op Ed: Sales and Marketing.......3-12 credits In this internship course students will gain sales and marketing-related work experience in area businesses. 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 if possible.

CAD, CADD - See Drafting

CAM - See Manufacturing

CNC - See Manufacturing

Career Development

For information, contact the Counseling Department, Bldg. 1/103, 541.463.5299.

CSK 101 Career Skills Training.......1-6 credits Prerequisite: Instructor approval required. Co-requisite: Only available to students who have been referred by a Workers Compensation, State Vocational Rehabilitation, or a Veterans Administration counselor. This lab course follows a set curriculum in introductory workforce skills under the guidance of a cooperating employer in the students' chosen field.

Chemistry

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

sequence designed for science, engineering and health science majors. Introduces measurement, atoms, stoichiometry, gases, thermochemistry and electronic structure and periodicity. Lecture and laboratory; lab emphasizes green chemistry.

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.

The Final Presentation.

Communication - See Speech Communication

Computer Hardware Repair - See Electronics

Computers: Introduction/Information Systems/Computer Science

For information about classes with course numbers that begin with:

BT, CIS, CS or HI - 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.

Students learn the principles and technologies behind Web2.0, and also learn about online Web 2.0 strategies that companies use. Web 2.0 is user participation centric and its online communities have become important to business and e-commerce. Students will complete project work in Web2.0 technologies that are important in online business, social networking and computer-based collaboration. Note: CIS 125W was formerly numbered CIS 135W. A student who has taken this class under the previous number may not take it again under this new number and receive duplicate credit. May be offered online.

CIS 140W Introduction to Operating Systems:

an organization, techniques to develop and deliver training modules, and strategies to provide ongoing technical support to endusers. Emphasis is on solving problems with users, needs analysis, troubleshooting, and interaction with users. Taught in a workbench lab environment.

CS 120 Concepts of Computing: Information Processing 4 credits This course is a general survey of computer fundamentals and principles. It is designed to familarize students with a wide range of topics including basic computer hardware, software, and operating systems; word processing, spreadsheets and database applications; networks, security, and internet communications; and the impact of computers on individuals and society. May be offered online.

 programming concepts are introduced. Programming assignments will involve developing simple games. Note: CS 161C+ was formerly numbered CS 133G. A student who has taken this class under the previous number may not take it again under this new number and receive duplicate credit.

CS 235M Intermediate Mobile Application Development.... 4 credits Prerequisite: CS 233N (formerly CS 233 C#) or CS 162J (formerly CS 162) or CS 162C+ (formerly CS 233G). This course introduces students to applying object oriented programming to mobile application development and the Android System Devlopment Kit. Cross-platform mobile app development will be done using the Mono framework and the MonoDevelop IDE.

CS 240U Advanced Unix/Linux: Server Management............... 4 credits Prerequisite: CIS 140U and CS 179, or instructor consent. The course covers network administration of Unix/Linux. Topics include: operating system installation, configuration, troubleshooting, user and group account management, network printing, application installation and sharing, network server configuration (for example: DHCP, DNS, NFS, Apache, and Web 2.0), and interoperability with other network operating systems. The course has a hands-on focus.

CS 271 Computer Architecture and Assembly Language....4 credits Prerequisite: CS161J (formerly CS161) or CS161C+ (formerly CS133G) or CS133N (formerly CS133C#), or instructor consent. An introductory course in computer architecture and programming in assembly language. Topics include computer organization, microprocessor design, logic gates and boolean algebra, data representations and manipulation, arithmetic operations, branching instructions, data editing, and input/output. Lab work provides experience working with an assembly language performing arithmetic, input/output, and table look-ups.

Included in the course are discussion and application of database models, entity relationship design, normalization, and an introduction to SQL guery usage and development.

CS 280CN Co-op Ed: Computer Network Operations3-12 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 280DP Co-op Ed: Data Processing.......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of data processing. 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 &

CS 280H 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 280PR Co-op Ed: 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.

CS 280SS Co-op Ed: Systems Support3-12 credits This internship course offers a work experience that integrates theory and practice in the field of computer systems support. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit toward the degree.

CS 297G Simulation & Game Development Capstone.......... 4 credits Prerequisite: CS 235G. This is the final course in the Simulation and Game Development Program. This course ties together the topics covered in the first and second year courses of the computer simulation and game development program. It emphasizes the application of this knowledge in a project oriented environment. Students will work in teams creating a working, non-trivial simulation or game

built on an industry standard engine programming in C++ and using industry standard tools.

HI 111 Selecting, Implementing, and Customizing

HI 209 Networking and Health Information Exchange........3 credits Prerequisite: CS179 or instructor consent. In-depth analysis of data mobility including the hardware infrastructure (wires, wireless, and devices supporting them), the ISO stack, standards, Internet protocols, federations and grids, the NHIN and other nationwide approaches.

HI 214 Comparative Electronic Health

SKD 030 Using Computers to Write 1.......3 credits Prerequisite: Keyboard familiarity. This course introduces students to word processing on the PC as well as basic grammar concepts. Concurrently, students will improve and enhance their academic writing skills using the word processor as a tool. Adaptive technology may be used for students with physical or learning disabilities. For a description of this ALS class in Spanish, see lanecc.edu/als/en-espanol.

Computers: Keyboarding

For information about classes with course numbers that begin with:

 ${\rm BT}$ - 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.

BT 010 Computer Keyboarding.....1-3 credits Prerequisite: Basic computer knowledge. Introduction to the computer

keyboard with mastery of the alphabetic, punctuation, and numeric keys by way of the touch system. Basic formatting of personal business letters, academic reports, and title pages. May be offered online. Basic introduction on using web-based keyboarding software.

BT 015 Keyboard Skillbuilding 11-3 credits Prerequisite: Typing with 25-30 wpm on a three-minute timing and basic computer knowledge. Development of speed and accuracy utilizing a diagnostic approach to individual skill assessment and prescribed drill work. May be offered online.

BT 016 Keyboard Skillbuilding 2.....1-3 credits Prerequisite: Typing with 30-35 wpm on a three-minute timing and basic computer knowledge. Development of speed and accuracy utilizing a diagnostic approach to individual skill assessment and prescribed drill work. May be offered online.

Computers: Software Application

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

 electronic calculator (or numeric keypad). Visit lanecc.edu/business/ testing/keyboarding-skill-competency-recommendations for Business Department keyboarding guidelines or contact the instructor for details. This hands-on application-oriented database course is designed to provide students with the basic functions and business applications of Microsoft Access. This course gives students the skills required to extract the data they need (queries), build efficient frontends for that data (forms), and publish the results in an attractive and easy-to-read format (reports). May be offered online. Note: BT 124 was formerly numbered BT 115. A student who has taken this class under the previous number may not take it again under this new number and receive duplicate credit.

BT 228 Integrated Office Applications.......4 credits Course Description: Prerequisites: BT 123 (formerly BT 114), BT 144, BT 220. Recommend the ability to accurately type at least 40 words per minute. Visit lanecc.edu/business/testing/keyboarding-skill-competency -recommendations for Business Department keyboarding guidelines or contact the instructor for details. In this advanced software applications course, students will review, apply, and expand software skills learned in earlier courses. New skills will be added through practice with other MS Office applications and current Web technologies. Projects are designed to use the suite of MS Office applications to complete production tasks. Students are expected to have a strong background in MS Word and MS Excel and familiarity with PowerPoint and Access. Students will analyze data and produce professionally formatted business documents through application of integration principles. In completing simulation tasks and projects, students will plan, prioritize, and organize work; use initiative to make decisions about appropriate document appearance and format; and use and continue to develop professional human relations and communications skills working in teams. Students will continue

the development of keyboarding skills through weekly practice and timings. May be offered online.

Construction

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

CST 211 Blueprint Reading 2......3 credits Prerequisite: CST 110 Advanced study related to the needs of the individual in the understanding and interpretation of blueprints for special features of design, fabrication, construction, and assembly.

LAT 131 Introduction to Landscape Construction............... 3 credits This course introduces common landscape construction techniques. Students will study fundamental concepts of soils, basic plant needs,

irrigation, paving, and plant installation, and will apply their understanding in actual construction projects.

Cooperative Education/Internships

For information, contact the Cooperative Education Division, Bldg. 19/Rm. 231, 541.463.5203.

541.463.5203.
AB 280 Co-op Ed: Auto Body and Fender See page 195
AlL 280 Co-op Ed: American Indian Language See page 234
AM 280 Co-op Ed: Automotive See page195
ANTH 280 Co-op Ed: Anthropology See page 188
ART 280A Co-op Ed: Art and Applied Design See page 194
ART 280GD Co-op Ed: Graphic Design See page 266
AV 280 Co-op Ed: Aviation Maintenance See page 195
BA 280 Co-op Ed: Business Management See page 198
BA 280AA Co-op Ed: Administrative Office See page 186
BA 280AC Co-op Ed: Accounting See page 186
BA 280L Co-op Ed: Legal Office See page 235
BA 280RM Co-op Ed: Retail Management See page 198
BA 280SM Co-op Ed: Sales and Marketing See page 198
BI 280 Co-op Ed: Biology See page 197
BT 206 Co-op Ed: Business Seminar See page 198
CA 280 Co-op Ed: Culinary Arts, Second Year See page 207
CG 280HS Co-op Ed: Human Services See page 231
CH 280 Co-op Ed: Physics-Chemistry See page 199
CJA 280 Co-op Ed: Criminal Justice See page 207
COOP 280SL Co-op Ed: Service Learning1-12 credits
Prerequisite: Instructor approval. Gain work experience with com-
munity 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 college credit. Students set learn-
ing objectives and engage in faculty-led guided reflection activities.
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ing objectives and engage in faculty-led guided reflection activities.
CS 206A Coop Ed: Computer Networks Seminar 1 See page 201
CS 206B Coop Ed: Computer Networks Seminar 2 See page 201
CS 280CN Co-op Ed: Computer Network Operations . See page 202
CS 280DP Co-op Ed: Data Processing See page 202
CS 280GD Co-op Ed: Computer Simulation & Game
Development See page 202
CS 280H Coop Ed: Health Informatics See page 202
CS 280PR Co-op Ed: Programming See page 202

CS 280SS Co-op Ed: Systems Support See page 202

CST 280 Co-op Ed: Construction...... See page 205

DA 206 Co-op Ed: Dental Assisting Seminar See page 210

DA 280 Co-op Ed: Dental Assisting	See page 210
DH 280 Co-op Ed: Dental Hygiene	
DS 280 Co-op Ed: Diesel	
ED 280 Co-op Ed: Education	
ED 280EC Co-op Ed: Early Childhood Education	
ED 280SE Co-op Ed: September Experience	
EMT 280P1 Co-op Ed: EMT Internship Part 1	
EMT 280P2 Co-op Ed: EMT Internship Part 2	
ENGR 280 Co-op Ed: Engineering	
ENGR 280D Co-op Ed: Drafting	
ENGR 280E Co-op Ed: Electronic Technology	
ENGR 280M Co-op Ed: Manufacturing Technology	
ENGR 280W Co-op Ed: Welding	
ES 280 Co-op Ed: Ethnic Studies	
FL 280IW Co-op Ed: International Work Experience	
FN 280 Co-op Ed: Dietary Manager	
FR 280 Co-op Ed: French	
FT 280 Co-op Ed: Flight Tech	
G 280 Co-op Ed: Geology	
G 280ES Co-op Ed: Environnmental Studies	See page 214
GEOG 280 Co-op Ed: Geography	See page 225
GIS 280 Co-op Ed: Geographic Information Science	See page 225
GS 280ST Co-op Ed: Science Technology	See page 214
GWE 180 Co-op Ed: General Work Experience	See page 253
GWE 280 Co-op Ed: General Work Experience	See page 253
HE 280 Co-op Ed: Health Occupations	See page 228
HIT 280 Co-op Ed: Health Records	
HRTM 280 Co-op Ed: Hospitality Management	
HST 280 Co-op Ed: History	See page 229
J 280 Co-op Ed: Journalism	
JPN 280 Co-op Ed: Japanese	
LAT 280 Co-op Ed: Landscape	
MA 206 Co-op Ed: Medical Office Assistant Seminar	
MA 280 Co-op Ed: Medical Office Assistant	See page 247
MDP 280 Co-op Ed: Multimedia	See page 246
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics	See page 246 See page 245
MDP 280 Co-op Ed: Multimedia	See page 245 See page 245 See page 249
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219 See page 219
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219 See page 219 See page 219
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219 See page 219 See page 219 See page 252
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253
MDP 280 Co-op Ed: Multimedia	See page 246 See page 245 See page 249 See page 219 See page 219 See page 252 See page 253 See page 253
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 222
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 222 See page 222
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Physical Education PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness Management	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Physical Education PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Fitness Management PE 280R Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Physical Education PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness Management PE 280R Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Psychology	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 261 See page 262
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Physical Education PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness Management PE 280R Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Psychology	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 page 252, 259
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 page 252, 259 page 253, 259
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 page 252, 259 page 253, 259
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management Seminar 2 NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Physical Education PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280R Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: Occupational Skills PTA 280A Co-op Ed: First Clinical Afflication See PTA 280B Co-op Ed: Second Clinical Afflication See PTA 280C Co-op Ed: Sociology SP 280 Co-op Ed: Speech	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 page 253, 259 page 253, 259 See page 264 See page 265
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management Seminar 2 NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation PE 280R Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Pre Law PSY 280 Co-op Ed: Second Clinical Afflication See PTA 280B Co-op Ed: Second Clinical Afflication See PTA 280C Co-op Ed: Sociology SP 280 Co-op Ed: Speech SPAN 280 Co-op Ed: Speech	See page 246 See page 249 See page 219 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253 See page 254 See page 265 See page 235
MDP 280 Co-op Ed: Multimedia	See page 246 See page 249 See page 219 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 222 See page 253 See page 254 See page 265 See page 235
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management Seminar 2 NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280R Co-op Ed: Pre Law PSY 280 Co-op Ed: Second Clinical Afflication See PTA 280A Co-op Ed: Second Clinical Afflication See PTA 280B Co-op Ed: Second Clinical Afflication See PTA 280C Co-op Ed: Speech SPAN 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206A Coop Ed: Water Conservation	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 See page 261 See page 253 See page 264 See page 265 See page 267
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280R Co-op Ed: Corrective Fitness PE 280R Co-op Ed: Corrective Fitness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: First Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication See PTA 280B Co-op Ed: Speech SPAN 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206A Coop Ed: Water Conservation Seminar 1	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 253 See page 261 See page 253 See page 264 See page 265 See page 267
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Coaching PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Corrective Fitness PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: First Clinical Afflication PTA 280A Co-op Ed: First Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication See PTA 280B Co-op Ed: Spanish TA 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206A Coop Ed: Water Conservation Seminar 1 WATR 206B Co-op Ed: Water Conservation	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 261 See page 263 See page 253, 259 page 253, 259 page 253, 259 See page 264 See page 265 See page 267 See page 268
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: First Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Spanish TA 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206B Co-op Ed: Water Conservation Seminar 1 WATR 206B Co-op Ed: Water Conservation Seminar 2	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 261 See page 263 See page 253, 259 page 253, 259 page 253, 259 See page 264 See page 265 See page 267 See page 268
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management Seminar 2 NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AR Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280F Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280R Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: Fitnesl Afflication PS 280LW Co-op Ed: Fitnesl Afflication PS 280LW Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PS 280 Co-op Ed: Spanish PTA 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206B Co-op Ed: Water Conservation Seminar 1 WATR 206B Co-op Ed: Water Conservation Seminar 2 WATR 280 Coop Ed: Water Conservation	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 253 See page 221 See page 221 See page 221 See page 221 See page 222 See page 253 See page 261 See page 265 See page 265 See page 265 See page 267 See page 268 See page 268
MDP 280 Co-op Ed: Multimedia MTH 280 Co-op Ed: Mathematics MUS 280 Co-op Ed: Music NRG 206A Co-op Ed: Energy Management Seminar 1 NRG 206B Co-op Ed: Energy Management Seminar 2 NRG 280 Co-op Ed: Energy Management NRS 280 Co-op Ed: Nursing OST 280 Co-op Ed: Occupational Skills OST 280CE Co-op Ed PE 280 Co-op Ed: Athletics PE 280A Co-op Ed: Athletics PE 280AT Co-op Ed: Athletic Training PE 280C Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Fitness PE 280M Co-op Ed: Recreation PE 280R Co-op Ed: Corrective Fitness PE 280W Co-op Ed: Wellness PS 280LW Co-op Ed: Pre Law PSY 280 Co-op Ed: Pre Law PSY 280 Co-op Ed: First Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Second Clinical Afflication PTA 280A Co-op Ed: Spanish TA 280 Co-op Ed: Spanish TA 280 Co-op Ed: Preforming Arts WATR 206B Co-op Ed: Water Conservation Seminar 1 WATR 206B Co-op Ed: Water Conservation Seminar 2	See page 246 See page 249 See page 219 See page 219 See page 219 See page 252 See page 253 See page 221 See page 222 See page 253 See page 261 See page 262 See page 253 page 252, 259 page 253, 259 page 253, 259 See page 264 See page 265 See page 267 See page 268 See page 268

WR 280 Co-op Ed: English/Writing	See page 272
WST 206 Co-op Ed: Watershed Science	
Technician Seminar	See page 268
WST 280 Co-op Ed: Watershed Science Technician	See page 269

Criminal Justice

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

CJA 220 Introduction to Criminal Law......3 credits Historical development, philosophy of law and constitutional provisions, definitions, classification of crime and their application to the system of criminal justice; legal research, study of case law, methodology, and concepts of law as a social force.

the student for practice in the public safety fields, for both juvenile and adult clients.

CJA 280 Co-op Ed: Criminal Justice3-12 credits Prerequisite: CJ 100 & CJ 110 or instructor permission. This course provides the student with criminal justice-related work experience in 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 Series2 credits Open to the Public. Course may be repeated for credit. 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 Baking

CA 130 Culinary Adventuring: Oregon Wine Country 2 credits Open to the public 21 years or older. This course introduces students to the process of wine making as it relates to Oregon, especially the Willamette Valley. Each week winemakers from the Willamette Valley will discuss their wines and demonstrate how they complement foods.

CA 162 Introduction to Cooking Theories 2......7 credits Prerequisite: CA 160 This class continues to build the culinary theory, techniques and principles introduced in CA 160, Cooking Theories 1. Focus is on further developing students culinary understanding and skills through meat fabrication

CA 200 Menu Management......3 credits Prerequisite: CAHM majors only. This course will enable the student to apply menu planning principles as an indispensable management tool for a variety of food service operations.

Dance

Also see Physical Education

For information about classes with course numbers that begin with:

D - Contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.3108.

PE - Contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

have never taken a technique class. The course presents alignment principles, weight shifts, level changes and elements of movement such as use of rhythm, shape and dynamics. Students develop a strong foundation in dance so they can proceed in their training in ballet, modern or jazz. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total credits.

students repeat this level for three terms. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 6 total credits.

D 261 Dance Rehearsal and Performance......1-3 credits Designed to provide practical application of classroom theory and skills, this course is taken by participants in our annual dance concerts performance. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 12 total 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.

completion of laboratory procedures from DA 192 associated with dental specialties, such as amalgam and composite, die construction, retainers, bleaching trays, temporary crowns & restorations, and custom travs.

DA 194 Dental Office Procedures......3 credits Prerequisite: Currently enrolled in the Dental Assisting Program. Principles of appointment planning, telephone techniques, case presentation, and management of client accounts. Teaching is done in a computer lab to support computerized instruction

DA 195 Chairside Procedures 1 6 credits Must be enrolled in the Dental Assisting Program. Course covers chairside assisting procedures, such as preparation of client, oral evacuation techniques, instrument exchange, dental examinations, & operative dentistry. Asepsis & infection control are included.

Prerequisite: Currently enrolled in the Dental Assisting Program. Course covers signs & symptoms of medical emergencies that may occur in the dental office. Specialties of dentistry, principle procedures, instrument set-ups, and clinical experience are also included.

DA 206 Co-op Ed: Dental Assisting Seminar1 credit Must be enrolled in the Dental Assisting program. This class must be co-enrolled with DA 280. Students will increase their understanding of industry expectations while developing job search tools and skills. Students will learn and practice presenting themselves to employers in a competent and professional manner in preparation for a cooperative education internship and, ultimately, a professional career in dental assisting.

DA 210 Dental Radiology 1......4 credits Must be enrolled in the Dental Assisting Program. Course covers background, terminology, & physics associated with exposing radiographs. Health, safety measures and legalities are included. Exposing technique, processing, mounting and critiquing are covered in lecture and lab.

DA 211 Dental Radiology 2......2 credits Must be enrolled in the Dental Assisting Program. Continuation of DA 210. Provides basis for occlusal film projections, digital radiology and extra-oral radiographs. Students apply all skills learned in Fall term, and progress to exposure of radiological films on clinical patients.

DA 280 Co-op Ed: Dental Assisting.....5-12 credits Prerequisite: Enrollment in DA Program. Course provides dental assisting work experience in community businesses. Includes opportunity to integrate theory and practice. Student may develop skills & explore career options.

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.

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 credit 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 Histology2 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.

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: 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 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 Hygienist2 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 online.

DH 139 Special Needs Dental Patient......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.

Clinical Lab required for DH220B.

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 Lab6 credits Clinical Lab required for DH221A.

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 Lab5 credits Clinical Lab required for DH222A.

DH 228 Oral Biology 14 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 233 Anesthesia/Analgesia for

DH 270 Periodontology 1......2 credits
Prerequisites: Enrolled in DH Program or instructor permission The

study of the normal periodontium, periodontal pathology, etiology and principles of periodontal disease, examination procedures, principles of periodontal therapy, non surgical periodontal therapy and prevention modalities. American Academy of Periodontology classifications of periodontal disease, maintenance considerations and referral for specialized periodontal care are presented. May be offered online.

DH 280 Co-op Ed: Dental Hygiene3-12 credits This course provides the student with dental hygiene 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.

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 Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

DS 158 Heavy Equipment Chassis and Power Trains1-12 credits 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; tracktype 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 256 Diesel and Auxiliary Fuel Systems1-12 credits Operation, diagnosis, testing, failure analysis, and repair of diesel and auxiliary fuel systems. Technical information and shop projects to apply and understand theories and principles include: alternative type fuel systems; diesel fuel systems including mechanical and electronic diesel engine controls; and diesel engine performance analysis of on and off highway current model engines.

DS 257 Diesel Electrical Systems.....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 electrical systems. This includes: Electrical fundamentals as they pertain to diesel electrical systems; operation and testing of batteries and battery banks; operation and testing of alternators and charging systems; operation and testing of starters and starting systems; heavy duty electrical circuits and schematics; maintenance and repair of OEM and aftermarket electrical connectors and conductors; safety; operation and testing of electronic control systems and components; operation and testing of air conditioning systems as they are used on highway trucks, off highway trucks, agriculture equipment and construction 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.

DS 260 Lift Truck/Material Handling Equipment1-12 credits Prerequisite: Instructor Consent. 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 lift trucks and other material handling equipment. This includes the mast/upright, transmission, diesel engine, gas engine, propane engine and electric powered lift trucks, electric controller, periodic maintenance, and schematics.

DS 280 Co-op Ed: Diesel3-12 credits This course provides students with diesel-related learning in community businesses and organizations as well as to integrate theory and practice gained in the classroom with practical experience in the professional world. Students may develop skills, explore career options and network with professionals and employers while earning college credit toward a degree.

Drafting

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

DRF 121 Mechanical Drafting 4 credits Prerequisite: DRF 142 and DRF 167. An introduction to the ASME Y14.5 Dimensioning and Tolerancing standard. Develops basic skills in mechanical drafting, including dimensioning, section, and auxiliary views. Students will improve drafting quality and develop drawing production speed.

DRF 137 Architectural Drafting-Plans......4 credits Prerequisite: DRF 167 And DRF 208 Or Instructor Consent. Architectural drafting techniques, methods and procedures, layout and drafting of standard residential working drawings for a 1,200 sq. ft. building.

DRF 142 Graphic Concepts2 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. An introductory course in drafting graphic concepts for the drafting program and transition to the CAD courses. Course includes Windows file management, measuring and sketching techniques, geometry of objects, drafting standards, lettering, and project setup procedures.

DRF 167 CAD 1......4 credits Prerequisite:Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. Introduction to computer-aided drafting using AutoCAD or equivalent software in architectural and mechanical drafting. Basic drawing, dimensioning, editing, and set-up commands to produce working drawings. May be offered online.

DRF 168 CAD 2......4 credits Prerequisite: DRF 167. Intermediate course in computer-aided drafting using AutoCAD or equivalent software in architectural and mechanical drafting. Text and dimensioning in more depth, Paper Space setup and plotting, references and blocks, and some customizing tools. May be offered online

DRF 203 Electrical Drafting......2 credits Prerequisite: DRF 167. Drafting techniques required for electrical and electronic fields. Schematics, wiring and routing diagrams, logic and printed circuit layout design and drawings.

DRF 205 Drafting: Structures 4 credits Prerequisite: DRF 167, MTH 076 and MTH 086 or instructor consent. Graphical methods to investigate forces applied to rigid bodies at rest, including beams and trusses. The course covers types of structures, how structures carry loads, vectors, moment, equilibrium, and the construction of load, shear, and moment diagrams for simple beams. Students will use CAD for graphical solutions; students without CAD skills who are able to use trigonometry for problem solving may also enroll in this class.

DRF 206 Co-op Ed: Drafting Seminar2 credits Prerequisite: DRF 168. Students will increase their understanding of industry expectations as well as develop job search tools and skills. Course is designed to help students present themselves to employers in a competent and professional manner and to move initially into their cooperative education internships and then into their professional careers.

DRF 207 Drafting: Strength of Materials......4 credits Prerequisite: MTH 076, MTH 086, and DRF 205. Stresses and strains that occur within bodies; material properties including elasticity; shape properties including centroids, moments of inertia, and section modulus; flexural stress in beams; and buckling in columns.

DRF 208 Residential Buildings4 credits Prerequisite: DRF 167. An investigation of light frame construction techniques and the production of residential construction drawings. Topics: residential construction materials, components and systems related to wood frame structures. Students will work from sketches of a residential structure to produce detail drawings.

Prerequisite: DRF 137, DRF 167, and DRF 208. Fundamentals of building materials, construction techniques, processes and procedures used in commercial structures. Students examine the creation of construction documents and working drawings for a light commercial building project.

DRF 211 Mechanical Systems and Environmental Design... 4 credits Prerequisite: WR 121. Fundamental principles and technologies of mechanical systems in buildings, including energy, water, lighting, heating, ventilation, and air conditioning. Emphasis is on greenbuilding strategies.

DRF 220 Building Information Modeling......4 credits Prerequisites: DRF 167. The student will create a virtual building using an advanced computer- aided drafting/design program that utilizes a 3D feature-based parametric solid modeler. The students will then generate a bill of materials, create a photo-realistic rendering, and produce a set of drawings to include floor plans, elevations, sections, and details. May be offered online.

DRF 232 Mechanical Design 4 credits Prerequisite: DRF 121, DRF 142, and DRF 167. Methods used in creating mechanical drawings, including weldments, fasteners, assembly drawings, bills of material, and revisions.

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

based on observation of children and knowledge of early childhood learning strategies. Students will plan a variety of curriculum experiences which are developmentally appropriate for preschool-age children. Students will study types and benefits of play as the basis of curriculum planning. Included will be a study of math methods and materials.

ECE 253 Diversity Issues in Early Childhood Education3 credits Prerequisite: WR 115 or WR 121, or WR 122. 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. An exploration of how children develop awareness and attitudes regarding diversity will be included. Students will also evaluate and develop appropriate materials and methods to increase children's awareness and appreciation of diversity.

Earth and Environmental Science

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

ENVS 182 Atmospheric Environment and Population 4 credits Interactions among humans and atmospheric and ecological systems. Topics include weather, weather hazards, climate, global warming, ice and glacier loss, desertification, biomes, population, urbanization, air pollution and ozone depletion. Presents sustainable choices. Take ENVS 181-183 in any order.

G 280ES Co-op Ed: Environnmental Studies......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 hitory, plate tectonics, minerals, rocks, volcanism, earthquake activity, weathering, rivers, groundwater, glaciers, and coasts. Optional 4th credit requires labs exercises completed at home. May be offered as a telecourse.

GS 280ST Co-op Ed: Science Technology......3-12 credits This internship course offers a work experience that integrates theory and practice in the field of applied science. It provides opportunities to develop skills, explore career options and network with professionals and employers while earning academic credit.

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:

ECON 202 Principles of Economics:

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 131 Instructional Strategies for

ED 201 Foundations of Education Seminar

ED 280EC Co-op Ed: Early Childhood Education.............3-12 credits This course offers ECE majors (with 6th term standing) an opportunity to gain work experience in Early Childhood. Cooperative Education offers 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.

ED 280SE Co-op Ed: September Experience......3-12 credits Students learn how to create a classroom environment by helping prepare one under the direction of an experienced teacher. Students earn three credits for three weeks of work beginning the last week in August. Students should take one term of seminar ED 200, ED 130, or ED 131 before taking this practicum course.

Electronics

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

ENGR 280E Co-op Ed: Electronic Technology.......3-12 credits This course provides students with electronics learning experiences in businesses and industrial sites as well as integrating theory and practice gained in the classroom with practical experience in the professional world. Students may develop skills, explore career options and network with professionals and employers while earning credit toward a degree. Cooperative Education is a required class for the Electronic Technology Program.

series-parallel circuits. AC waveforms and AC circuit components are introduced. Electronic test equipment such as the digital multimeter. oscilloscope and function generators are used to measure electrical signals and troubleshoot basic electrical circuits.

ET 129M Electrical Theory 11-4 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD087 and EL115 or Prior College and Prerequisite/Corequisite: MTH060 or higher with a grade of "C-" or better, or pass a placement test through the Testing Office. Course defines the basic electrical units, the basic laws of electrical theory as they apply to DC circuits such as series, parallel, and series-parallel circuits. AC waveforms and AC circuit components are introduced. Electronic test equipment such as the digital multimeter, oscilloscope and function generators are used to measure electrical signals and troubleshoot basic electrical circuits.

ET 130 Electrical Theory 21-4 credits Prerequisite: ET 129. Second course of a two-term sequence in electrical theory. This course covers basic AC circuits and components, right triangle mathematics, RLC circuits, filters, and resonant circuits and RL/RC transient circuits. In the lab students will build and troubleshoot basic AC circuits using the oscilloscope, function genera-

ET 131 Electrical Theory 34 credits Prerequisite: ET 129, and ET 130. This course is the third course of a three-term sequence in electrical theory. Electrical Theory 3 combines electrical theory and electrical drafting. It uses and adds to the concepts learned in electrical theory, digital, and semiconductor classes. Students study and interpret electrical circuits, then draw the circuits using schematic capture software. Using computer analysis tools such as PSPICE, students are able to simulate and analyze circuits using powerful methods. Troubleshooting, analysis and circuit performance with changing parameters and conditions are

ET 145 Semiconductor Devices 1......1-4 credits Prerequisite: ET 129. First course of a two-term sequence in the study of solid state semiconductor theory. ET 145 begins with the characteristics and use of both zener and general purpose diodes in common circuits. The second part discusses the operation of NPN and PNP bipolar transistors and common amplifier configurations.

ET 146 Semiconductor Devices 2.....1-4 credits Prerequisite: ET 145. Second course of two-term sequence. Transistor theory is expanded to include the operation and use of Field Effect Transistors. The basic use of Silicon Controlled Rectifiers, Triacs, operational amplifiers and 555 timers are also explored in this

ET 151 Digital Electronics 1......1-4 credits Prerequisite: ET 129 and MTH 060 or higher. This course is an introduction to the field of digital electronics. It includes a study of number systems, binary arithmetic, basic logic functions, the analysis and synthesis of combinational logic circuits and the implementation of logic circuits using MSI building blocks. The last part of the course introduces latches and flip-flops. The various flip-flops and their characteristics are studied and clocked sequential circuits, such as simple counters are built.

ET 152 Digital Electronics 2 1-4 credits Prerequisite: ET 129 and ET 151. Second of a two-course sequence in basic digital theory, using the fundamental building blocks learned in ET 151 to develop more complex circuits. The course is laboratory-focused to build, test and troubleshoot digital systems. A car warning system, adder/subtractor circuits, and a digital function generator are examples of laboratory projects that develop an understanding of more advanced digital principles.

ET 229 Motors 1......1-4 credits This class addresses the concepts and principles of electromechanical devices. Emphasis will be placed on the theory and operation of AC and DC motors used in manufacturing and the HVAC industries. Transformers and power distribution systems will be studied along with adjustable frequency AC drives and stepper motors.

ET 230 Motors 2.....1-4 credits Prerequisite: ET 229. This course is a continuation of ET229 Motors 1. It addresses the relationship between electromechanical 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.

ET 234 Programmable Controllers 1.....1-4 credits Prerequisite: Second year standing. This course covers the basics of relay and ladder logic technology as it pertains to Programmable Logic Controllers. Techniques in programming are explored and an emphasis is placed on interfacing I/O devices to the PLC. More advanced topics such as timers, counters, and sequencers are also covered. The student will also be introduced to a variety of troubleshooting problems at both component and system levels.

ET 235 Programmable Controllers 2......1-4 credits Prerequisite: ET234/Programmable Controllers 1. This class provides an introduction to the robot and its capabilities and explores the various tasks that robots are programmed to perform. Interfacing between robots, PLC's, and field devices are practiced with an emphasis on troubleshooting.

ET 236 Programmable Controllers 3......1-4 credits Prerequisite: Second year standing. Course covers the elements that define a manufacturing controlled process. The course begins at the system level with basic statistical terms and spreadsheet data analysis. The second part discusses physical transducers and signal conditioning. The third part introduces analog to digital data conversion topics and the final part covers DC and stepper and motors.

ET 239 Microprocessor Applications1-4 credits Prerequisite: Second year standing. This course is a study of microcontrollers and their programming. These small circuits are self contained computers, often found on a single chip. They are found embedded in thousands of everyday products where they control various processes. They are used by electronic engineers as well as by experimenters designing gadgets. The student learns and uses the BASIC programming language and explores how the processors can accept inputs, perform math functions, measure external quantities, light LED displays, control motors, produce sound and measure light.

ET 247 Linear Circuits4 credits This course is an extension of the two course series that covers the theory of solid-state semiconductor devices. The focus will be on the integrated circuit operational amplifier and the circuits that include these integrated circuits as functional devices. A detailed overview will include common linear op-amp circuits, active filters, comparator circuits, oscillators and timers, data converters, and voltage regulator circuits. The course will cover the application of integrated devices and as such the analysis of internal transistor circuitry will

ET 281 Radiotelephone1-4 credits Prerequisite: Second year standing or instructor consent. The principles of radio communications systems including Amplitude and Frequency Modulations are explored. This class also includes the examination of basic telephone systems.

ET 287 Microcomputer Hardware......1-4 credits Current technology of specific PC hardware components. Installation and troubleshooting of these components include memory, video display, clock speeds, microprocessor differences, disk drives, input devices, and ports. The physical connection within a network, including cabling and installation of Network Interface Cards, is introduced. Hardware troubleshooting techniques emphasized.

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.

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.

EMT 151 Emergency Medical Technician Basic Part 1.........5 credits This course is part 1 of an Emergency Medical Technician - Basic level. Successful completion of this two part course gains eligibility to sit for the Oregon State EMT-B certification exam and/or the

National EMT-B certification exam. This course provides instruction in a variety of medical and trauma related emergencies. This is a demanding course designed for those who will function within an emergency medical services system. 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 also a required component of the Associate of Applied Science Degree in Emergency Medical Technology.

EMT 152 Emergency Medical Technician Basic Part 2............ 5 credits This course is Part 2 of an Emergency Medical Technician - Basic level. Successful completion of this two part course gains eligibility to sit for the Oregon State EMT-B certification exam and/or the National EMT-B certification exam. This course provides instruction in a variety of medical and trauma related emergencies. This is a demanding course for those who will function within an emergency medical services system. 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 also a required component of the Associate of Applied Science Degree in Emergency Medical Technology.

EMT 170 Emergency Response

EMT 171 Emergency Response Patient Transportation2 credits Covers ambulance operations, laws, maintenance and safety, emergency response driving and route planning.

EMT 175 Introduction to Emergency Medical Services....... 3 credits Explores the role and responsibilities of a paramedic, to include: different kinds of emergency medical services systems, applicable Oregon law, relationship with governmental regulatory agencies, exposure risk to infectious disease and exposure to critical incident stress.

EMT 270 Emergency Medical Technology-

Corequisite: EMT 271. Course is part 1 of a 3 part course in paramedic education. This course covers the knowledge, skill and behaviors necessary to function effectively as a member of an emergency response team at the EMT-Paramedic level. This course focuses on general principals of pathophysiology, airway management and ventilation, venous access, pharmacology, patient assessment, clinical decision making and cardiovascular emergencies. Cognitive and psychomotor objectives are measured for competency by a combination of written and/or practical exams. Affective objectives are evaluated throughout the course by using the Professional Behavior Evaluation instrument and, when necessary, Professional Behavior Counseling. Successful completion is required for entry into EMT272. Successful completion is required to meet AAS/EMT-P requirements. Program graduates are eligible to take the Oregon State/National EMT-Paramedic exam.

EMT 271 Emergency Medical Technology-

 of patient situations. In the emergency department, which most closely approximates the types of patients that paramedics see, students are presented with a variety of patient presentations and complaints, important elements in building up a library of patient care experiences to draw upon in future clinical decision making responsibilities. This experience takes place within a hospital/clinical environment and under direct supervision. All skills are first taught in the classroom before being performed in the clinical setting. Criminal background check and drug testing required.

EMT 272 Emergency Medical Technology-

Prerequisite: EMT 270, EMT 271. Corequisite: EMT 273. Course is part 2 of a 3 part course in paramedic education. This course covers the knowledge, skill and behaviors necessary to function effectively as a member of an emergency response team at the EMT-paramedic level. This course focuses on prehospital trauma care, medical emergencies, emergency childbirth, care of the newborn, neonate and pediatric patient. Cognitive and psychomotor objectives are measured for competency by a combination of written and/or practical exams. Affective objectives are evaluated throughout the course by using the Professional Behavior Evaluation instrument and, when necessary, Professional Behavior Counseling, Successful completion is required for entry into EMT274. Successful completion is required to meet AAS/EMT-P requirements. Program graduates are eligible to take the Oregon State/National EMT-Paramedic Certification Exam. Special Fee: \$260.00 for Advanced Cardiac Life Support and Prehospital Trauma Life Support certification courses.

EMT 273 Emergency Medical Technology-

EMT 274 Emergency Medical Technology-

Paramedic Part 34 credits Prerequisites: EMT 272, EMT 273. Corequisite: EMT 275. Course is part 3 of a 3 part course in paramedic education. This course covers the knowledge, skill and behaviors necessary to function effectively as a member of an emergency response team at the EMT-Paramedic level. This course focuses on prehospital toxicological emergencies, environmental emergencies, and geriatric emergencies. This course also teaches how to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints. Cognitive and psychomotor objectives are measured for competency by a combination of written and/or practical exams. Successful completion is required for entry into EMT280P2. Successful completion is required to meet AAS/EMT-P requirements. Program graduates are eligible to take the Oregon State/National EMT-Paramedic Certification Exam.

EMT 275 Emergency Medical Technology-

Energy Management

For information, contact the Institute for Sustainable Practices, DCA/406, 541.463.6160

NRG 102 Blueprint Reading: Residential and Commercial .. 3 credits Reading commercial architectural plans, examining their characteristics for service and maintenance of electrical, plumbing, HVAC, and energy management related design and materials. Introductory drafting and plans drawing skill will be presented including sketches, free hand and cutting plan methods.

NRG 111 Residential/Light Commercial Energy Analysis....3 credits Prerequisite: PH 101. 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.

NRG 122 Commercial Air Conditioning System Analysis....3 credits Prerequisite: NRG 121 Students learn to identify commercial HVAC system types and the general energy impact of each type. Calculations will be used to determine energy characteristics in boilers and Bin analysis. Students will investigate HVAC delivery systems including fans pumps dampers, control valves, and ducting. The course includes field work.

 control theory and devices, including electric, pneumatic, and digital controls. An emphasis is placed on identifying and understanding control strategies to estimate energy savings. Hands on labs reinforce device identification. Students complete an energy efficiency controls calculation project.

NRG 162 Solar Photovoltaics System Design

NRG 171 Materials Management /

NRG 172 Understanding the LEED Framework &

NRG 173 Carbon Footprints for Climate Action in

NRG 174 Conducting a Full Sustainability Assessment.......4 credits Students learn how to select sustainability assessment indicators and benchmarks, evaluate them and how to report findings. The course will concentrate on setting goals for sustainability performance, selecting and making appropriate calculations and then accurately reporting an organization's performance.

NRG 206A Co-op Ed: Energy Management Seminar 1............1 credit Prerequiste: Instructor approval. Students will increase their understanding of industry expectations as well as develop job search tools and skills. Students will learn and practice presenting themselves to employers in a competent and professional manner in preparation for a cooperative education internship.

NRG 206B Co-op Ed: Energy Management Seminar 2............1 credit Prerequisite: NRG 206A and instructor approval. This course is a continuation of NRG 206A and further develops students' understanding of industry expectations as well as job search tools and skills. The emphasis is to provide additional skills that will help students find employment upon earning their degree.

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.

NRG 298 Independent Studies.....1-3 credits
A variable credit course based on independent study contracted between an instructor and a student.

Engineering Transfer

Also see Drafting, Electronics and Physics

For information, contact the Mathematics Division, Bldg. 16/Rm. 166, 541.463.5392.

Laws using idealized circuit elements. Steady state and sinusoidal responses of passive and active circuits will be addressed. The course emphasizes a combination of conceptual understanding, mathematical analysis, lab experiments and computer simulations. This course is designed for engineering majors.

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 211 Chicano/Latino Experience:

ES 212 Chicano/Latino Experience:

ES 213 Chicano/Latino Experience:

ES 221 African American Experience:

Down From the Pyramids, Up From Slavery 10,000 BCE - 1877 4 credits

The focus of this course is on African, Afro-European, Afro-Native American, Caribbean, South and North American Maroon societies. In this course we examine various cultural constructs through which Africans in America understand and influence the world. The chronology of this course encompasses Dynastic Egypt, pre-European

Conquest Africa, pre-Columbian America, to Post Reconstruction America 1877. ES 221, 222, and 223 examine culture, identity, gender and women's roles, economics, and African and Native American responses to systematic oppression towards goals of individual and group liberation. May be offered as a live interactive course.

ES 222 African American Experience:

ES 223 African American Experience:

A Luta Continua: The Struggle Continues 1945 to Present .4 credits Contemporary African, Afro-European, Afro-Native American, Caribbean, and Africans in South and North America are examined in this course. The chronology of this course encompasses World War II to the present and confronts issues such as prison incarceration rates, the 'War on Drugs', Affirmative Action backlash, and Multiculturalism, as well as the cultural influences of gospel, jazz, rock and roll, and liberation movements. ES 221, 222, and 223 examine culture, identity, gender and women's roles, economics, and African and Native American responses to systematic oppression towards goals of individual and group liberation. May be offered as a live interactive course.

ES 231 Asian American Experience:

ES 232 Asian American Experience:

ES 233 Asian American Experience:

ES 241 Native American Experience:

Consequences of Native American & European Contact 4 credits This course deals with Native Americans and Alaskan Native cultures and history, both prior to and immediately following, contact with Europeans during the past five hundred years. The course is divided into two general segments: First, the course will explore Native cultures in their traditional settings, before the arrival of outsiders. It surveys the great diversity of lifestyles, belief systems, languages, social and political structures, and creative expressions, which characterize the numerous tribal communities of the North American continent, Second, the course focuses on the major European encounters with native societies, beginning with the expedition of 1492 and extending into the Twentieth Century. The disparate responses and resistance strategies of various indigenous populations confronting the ideological and physical intrusion of Europeans is studied. ES 241, 242, or 243 courses may be taken at any time, in any order, with no prerequisites

ES 242 Native American Experience:

ES 243 Native American Experience:

ES 280 Co-op Ed: Ethnic Studies3-12 credits In this internship course Ethnic Studies students are encouraged to work with local service agencies that serve underrepresented minority communities or organizations that operate from a social justice perspective. Student may develop skills, explore career options, and network with professionals while earning college credit.

Exercise and Movement Science

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

EXMS 194F Professional Activity: Fitness Assessment and

EXMS 194L Fitness Assessment and

EXMS 194S Professional Activity: Principles of

 of exercises for flexibility, balance, strength, and aerobic conditioning. Provides students with foundational skills for exercise science careers.

EXMS 194T Techniques of Group Exercise Leadership 2 credits Prerequisite: EXMS 194F, EXMS 194S, EXMS 196. Students are introduced to group exercise leadership methods including safety, motivation, communication, organization and class/activity planning. Students experience leading/teaching in a variety of group fitness activities/genres for a variety of skill levels. This course is applicable to both personal trainers and group fitness leaders.

PE 280AR Co-op Ed: Aerobics1-12 credits Prerequisite: Instructor approval for site and credit load. Supervised internship in an aerobic fitness program on or off campus. May gain knowledge, develop skills, get teaching experience and explore career options while earning credit toward a degree or certificate. Work sites may be paid or volunteer. Journals and other written assignments required.

Fabrication and Welding

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

ENGR 280W Co-op Ed: Welding.......3-12 credits This course provides students with welding-related learning in businesses and industrial sites as well as integrating theory and practice gained in the classroom with practical experience in the professional world. Students may develop skills, explore career options and network with professionals and employers while earning college credit toward a degree.

RTEC 100 Basic Career Technical Skills......2-6 credits This course explores the basic skills for entering technical careers such as mechanics, manufacturing, aviation, electronics, etc. The course includes; safety, math, tools, basic electricity, basic hydraulics, employability skills, rigging, blue prints, and communication. Students may not receive credit for both RTECH 100 and APPR 101.

WLD 111 Blueprint Reading for Welders......3 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. This course provides instruction necessary to interpret blueprints that are typically used by metal fabrication shops. Emphasis is placed on understanding types of lines, dimensioning, views, notations, abbreviations, welding symbols and steel nomenclature.

WLD 122 Shielded Metal Arc Welding 21-4 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): Wire Drive Processes 3 credits Prerequisite: WLD 143 or WLD 154 or WLD 112 or WLD 113 or WLD 114 or instructor consent. This course studies the purpose and standards of American Welding Society welder qualification tests. It also provides instruction and practice in the preparation, welding and finishing of test specimens to code standards using wire drive processes. Course includes AWS D1.1 Welder Qualification Test.

WLD 143 Wire Drive Welding 1......1-4 credits Prerequisite: Minimum reading score of 68 OR RD 080 OR RD 087 And EL115 OR Prior College. Skills development in gas metal arc welding (GMAW) of carbon steel. Students will be instructed in proper care, set-up and use of GMAW equipment. Preparing weld test specimens and performing weld tests is included in this course.

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 21-4 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.

 in proper care, set-up and use of GTAW equipment. Testing of weld samples is included in this course.

Family Studies - See Human Relations

Film - See Literature, Media Arts

Flight

Also see Aviation Maintenance

For information, contact the Lane Aviation Academy, Airport Road, 541.463.4195.

general aviation resources. It will stress the role of the fixed base operator, and the importance of the interview in the hiring process.

FT 101 Exploring Aviation Careers: Summer Academy...........1 credit 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.

Foreign Languages - See Language Studies

French - See Language Studies

Geography

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

GEOG 280 Co-op Ed: Geography2-12 credits This course provides the student with geography-related work experience in community businesses and organizations. Students 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 may develop skills, explore career options and network with professionals while earning transferable college credit.

data effectively. Advanced elements of cartographic layout such as modifying scale bar, direction indicators, and legends are covered. Advanced symbolization, labeling, and annotation will be addressed. GIS map layouts will be exported to Adobe Illustrator, refined and finalized for production.

GIS 280 Co-op Ed: Geographic Information Science3-12 credits Instructor approval. Cooperative Education is a field experience opportunity for students who have completed four GIS classes: GIS 151 (also GEOG 151), GIS 245, GIS 246, and one GIS elective. Contact Lynn Songer, GIS Instructor songerl@lanecc.edu.

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 Graphic Designers 4 credits

Beginning course in two-dimensional design covering fundamental visual elements, concepts, and principles with an emphasis on how those fundamentals apply to graphic design. It also includes career information. Course work includes necessary competencies for the Graphic Design program.

ART 290 Design Concepts for the Web

Prerequisite: ART 216 or MUL 212 and ART 289. An intermediate study of web site design with an emphasis on informational architecture including strategy, planning, usability, and design of integrated web sites. This course covers business practices as they relate to graphic and web design. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 credits.

Health Occupations

For information, contact twwhe Health Professions Division, Bldg. 4/Rm. 222, 541.463.5317.

Health Records

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617. You must be accepted into the Health Records program to take some these classes.

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.

students meaningful learning experiences related to the field of health records. This course allows students the opportunity to earn college credit while working in the health care community under supervision.

Health and First Aid

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

Students will explore the components of fitness, best practices in nutrition, weight management guidelines, stress management, and chronic disease prevention. May be offered online.

HE 290 Comprehensive Approaches to

History

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541 463 5427

 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.

HST 280 Co-op Ed: History2-12 credits This course provides the student with history-related work experience in community organizations. Students 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 may develop skills, explore career options, and network with professionals and employers while earning college credit.

Honors

For information, contact Honors, Bldg. 3, 541.463.5746.

ART 203_H Survey of American Indian Art and

COOP 280_H Co-op Ed: Service Learning-Honors...........3-12 credits Prerequisite: Instructor approval. Gain experience with community partners in addressing real community needs. Practice critical thinking, citizenship and civic responsibility, explore career options, and network with professionals while earning college credit. In this Honors section students will actively engage, investigate and reflect on topics leading to enhanced knowledge and skills. 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.

This honors class delves deeper into course topics and requires a high level of student motivation; the pace may be faster than nonhonors courses. WR 121-readiness (score of at least 96 on the sentence-skills placement test) recommended. See lanecc.edu/honors for information. This course focuses on current environmental problems, alternative frameworks for understanding these problems, and appropriate political responses. Among the problems covered are overpopulation, economic globalization, ozone depletion, the greenhouse effect, bio-colonization, and the depletion of renewable and non-renewable resources. Alternative frameworks considered include the philosophical visions of Deep Ecology and Gaia. These frameworks are used to investigate possible ways to create sustainable economic, political and social systems. Finally, the course focuses on grass roots politics, including groups and social movements actively seeking to promote environmental and social justice.

WR 122_H Composition: Argument, Style and

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

HRTM 209 Advanced Principles of Meeting,

HRTM 260 Hospitality Human Resources and

Human Relations

For information, contact the Counseling Department, Bldg. 1/103, 541.463.5299.

CG 145 Coping Skills for Stress and Depression....... 1-3 credits This course presents the theory and practice of managing stress and depression. Topics include recognizing and modifying causes of and response to stress. The symptoms, causes, forms of and treatment for depression are reviewed. The topic of stress will be covered in more detail than depression.

CG 151 Student Veterans: Understanding

CG 152 Student Veterans: Navigating Life Transitions3 credits This course explores the complex nature of transition from civilian life, to military service, to life as a veteran. Throughout life, everyone faces transitions (marriage, divorce, loss of health). In CG 152 students will explore different kinds of transitions, and how they are impacted by them.

CG 204 Eliminating Self-Defeating Behavior.....1-3 credits A class for people looking to eliminate a recurring behavior, feeling, or thought which is negatively affecting their quality of life. Self-defeating behaviors can be active, such as smoking or negative self-talk, or passive, such as avoiding decisions or conflict.

CG 211 Dreikursian Principles of Child Guidance 1............1-3 credits In this lively, interactive class students learn principles and skills for strengthening relationships between parents and children. Topics include improving communication, setting reasonable and consistent limits, stimulating independence/responsibility, and improving structure and routine.

CG 212 Dreikursian Principles of Child Guidance 2...........1-3 credits Prerequisite: CG 211. Students engage in specialized study after completing Principles of Child Guidance. Learn in-depth ways to facilitate positive relationships with adults and children. Students engage in weekly reading, discussions, and experiences.

Human Services

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

CG 280HS Co-op Ed: Human Services......3-12 credits In this internship course students gain practical human service-related work experience in community organizations. Students will integrate theory, practice skills learned in the classroom, explore career options and network with professionals and employers while earning credit toward their degree.

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

HS 220 Prevention 1: Preventing Substance

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 235 The Aging Mind: Understanding and

accessible, integrated, coordinated, and accountable case management services will be presented. Students will learn how to maintain professional records, including documenting assessments, treatment plans, chart notes and other relevant agency records. Cross-cultural issues to designing and delivering case management services will be explored.

Humanities

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

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.

Competency is defined by benchmarks set by the Tribes, by the state of Oregon and in accordance with Oregon's SB 690 of 2001, and by Lane's language standards. Objectives: Students will (1) learn and discuss the culture and history of the Grand Ronde people; (2) converse in a variety settings; (3) learn to use more advanced grammatical structures; (4) work (a linguistic emplasis) on texts. Emphasis is placed on daily speaking, writing, reading, and listening of Chinuk Wawa and understanding the cultures of the people who spoke and still speak the language.

AlL 280 Co-op Ed: American Indian Language3-12 credits Prerequisite: Instructor approval. This internship is for students who already have some background in American Indian Languages. Students work at a site related to American Indian languages and, under the guidance of a professional, will gain further exposure/understanding of culture/language issues, especially challenges/opportunities associated with learning American Indian languages.

FL 280IW Co-op Ed: International Work Experience1-12 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 http://ie3global.ous.edu/.

 and deepen their understanding of French-speaking cultures. Computer lab work is required.

culture. In Spanish 101, students will learn to converse in a variety of common everyday settings using the vocabulary and structures presented in class. Emphasis is also placed on writing, reading, listening, and learning about Hispanic cultures.

 expansion of vocabulary and expressions, and through interactive activities that permit the exchange of experiences and ideas in various areas of interest. The main themes developed in the course content are expanded through the incorporation of authentic readings and materials chosen from the internet, film, music, and literary and nonliterary texts. This course is conducted in Spanish.

Legal Assistant

For information, contact the Business and Computer Information Technology Division, Bldg. 19/Rm. 137, 541.463.5221.

LA 100 Legal Procedures4 credits 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.

and a brief review of the appellate process. The course emphasis will be on the actual preparation of the documents, with a major focus on the discovery phase of the civil litigation process. This course will demonstrate how each stage of civil litigation builds, relates, and is dependent upon the others. May be offered online. Offered through Umpqua Community College. A host-provider fee may apply.

Literature

For information, contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

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, scholarships, 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 young people.

 At the discretion of the instructor, students may also be required to participate in creative writing assignments to gain insight into the nature of poetry. May be offered online.

ENG 195 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 195 is the first course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en scv®ne, editing,

and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test students "ways of seeing." ENG 195 focuses on the formal elements of the shot: cinematography, mise en sciéne, blocking, and movement.

ENG 196 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 196 is the second course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en sciéne, editing, and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test student's "ways of seeing." ENG 196 reviews the elements of film style relating to the individual film shot, but it emphasizes the formal means by which shots are built into the larger structures of scene, segment, and finished film: editing, sound, screenwriting, and narrative structure (e.g., editing style sequence shots, continuity editing, montage and editing techniques - on the types and uses of film: foley, dialogue, theme music, etc.).

ENG 197 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 197 is the third course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en scène, editing, and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test students "ways of seeing." ENG 197 centers on films chosen around a theme, topic or director. Recent themes include "Film and the American Dream" or "American Independent Cinema." Providing an overview of film language, the course explores the style of the featured films and/or director and looks at their historical contexts and ideological effects relating to such contested areas of social experience as race, class, gender, sexuality, and nation.

ENG 201 Shakespeare......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. One scholar suggests that Shakespeare's works "remain the outward limit of human achievement"; they fascinate us because we "cannot catch up to them." Nevertheless, we will have fun running after them. This survey explores the works of Shakespeare, covering 3-5 plays and at least one sonnet each term. Instructors might divide the plays by theme, genre, or chronology. ENG 201 may include Romeo and Juliet.

ENG 203 Shakespeare......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. One scholar suggests that Shakespeare's works "remain the outward limit of human achievement"; they fascinate us because we "cannot catch up to them." Nevertheless, we will have fun running after them. This survey explores the works of Shakespeare, covering 3-5 plays and at least one sonnet each term. Instructors might divide the plays by theme, genre, or chronology. ENG 203 may include Hamlet and/or King Lear.

ENG 204 Survey of British Literature4 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. Survey of British Literature is a two-term sequence to acquaint students with representative works of important British writers, literary forms, and significant currents of thought. The

material for the first term comes from the Anglo-Saxon era, the Middle English period, and the Renaissance, through Milton, Each course may introduce students to different methodological perspectives/ lenses through which to read and interpret literary texts, and may include developing an understanding of the social, political and cultural contexts in which texts are produced and interpreted. Primary emphasis is on reading and engaging with the literary materials.

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. Survey of British Literature is a two-term sequence to acquaint students with representative works of important British writers, literary forms, and significant currents of thought. The second term includes British literature of the late 17th century through the modern period. Each course may introduce students to different methodological perspectives/lenses through which to read and interpret literary texts, and may include developing an understanding of the social, political and cultural contexts in which texts are produced and interpreted. Primary emphasis is on reading and engaging with the literary materials.

ENG 213 Survey of Asian 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 in this course. This course features a selection of classical and premodern literature and historical documents that will serve as a basis to examine important cultural values of India, China, and Japan, and to trace their development into contemporary life and literature.

ENG 215 Latino/a 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 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.

College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) strongly recommended for success. This course combines research into the impact of 21st century technologies and new media on the study of literature and culture with the use of digital humanities methods to analyze texts and create new knowledge and new theoretical and ethical considerations and other developments in the field.

ENG 218 Literature of the Islamic World4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121) strongly recommended for success. This course introduces students to historic and contemporary literature, comprised of poetry, fiction, essays, and drama, from nations and regions that are, or have been, strongly associated with the Islamic

ENG 222 Literature and Gender......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 examine representations and/or investigations of gender in literature. While some literature chosen for the course may thematically focus readers on the gender roles assigned to people at different points in time in relation to a given culture, other literature will explore the ways in which gender is a socially constructed identity. Critical thinking will play a role as students consider concepts such as social norm, gender construction, subject position, self-other paradigms, and ideology. Feminist models of literary criticism may be considered.

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 they share among themselves.

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

ENG 259 African American Poetry, Plays and Film4 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 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 271 Film Genre: Horror.........0-4 credits Prerequisite: A passing score (C- or better) in WR 121 or its equivalent, or instructor permission. This course will examine the history of the horror film from the silent era to the present, focusing mainly on U.S. texts. The class will explore various theories of the horror genre, the history and social context of horror cycles, and the representation of class, gender, sexuality, nationality, and ethnicity as they relate to horror. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements.

ENG 272 Film Genre: Film Comedy0-4 credits Prerequistie: A passing score (C- or better) in WR 115 or its equivalent or instructor permission. This course will focus on film comedy, a loosely defined genre that spans the silent era to the present. Starting with silent films, the course will focus on film comedy across the decades, and may include the following subgenres: slapstick,

screwball comedy, farce, romantic comedy, black comedy, parody/satire, and/or gross-out comedy. Students will be introduced to various theories of the genre as well as historical, political, and social issues related to representative texts. Weekly screenings are required, and clips of films are used for close analysis of aural and visual elements.

FA 265 African American Film Images......0-4 credits Prerequisite: A passing grade (C- or better) in WR 115 or placement into WR 122. 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 moviemaking. 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 offsetting African Americans' full, rigorous admittance into the Hollywood system.

Machine Shop, Machine Tools - See Manufacturing

Management - See Business and Hospitality Management

Manufacturing

For information, contact the Advanced Technology Division, Bldg. 12/Rm. 201, 541.463.5380.

ENGR 280M Co-op Ed: Manufacturing Technology3-12 credits This course provides students with manufacturing-related learning in businesses and industrial sites to integrate theory and practice gained in the classroom with practical experience in the professional world. Students may develop skills, explore career options and network with professionals and employers while earning credit toward a degree.

MFG 197 Manufacturing Technology1-6 credits MFG 197 covers theory, setup and operation of conventional (manual) machine tools and related tooling. Course includes materials, speeds and feeds, measuring tools, cutting tool geometry and selection. Develop competencies in troubleshooting setups, shop math and blue print reading. Completed machining projects become student tools. Manufacturing Technology MFG 197 is an open-entry/open-exit variable credit course. It is suggested that majors NOT schedule less than 6 credits of MFG 197 per term (instructor approval is required to schedule less than 6 credits). It is recommended that six terms be the target maximum for completion of MFG 197, 12 credits/ term 1-8 lecture, 3-12 lab hrs/wk. Upon satisfactory completion of 66 credits (528 lecture, 792 lab hrs) the student has completed MFG 197.

RTEC 100 Basic Career Technical Skills2-6 credits This course explores the basic skills for entering technical careers such as mechanics, manufacturing, aviation, electronics, etc. The course includes; safety, math, tools, basic electricity, basic hydraulics, employability skills, rigging, blue prints, and communication. Students may not receive credit for both RTECH 100 and APPR 101.

Mathematics: Self-Paced Format

Students wishing to take a variable credit, self-paced format math course must obtain instructor permission. This permission is obtained after an orientation in the Math Resource Center (MRC) in Bldg. 16/Rm. 169 on one of the first two days of the term. Orientation times: Mon/Tu 9 a.m., 11 a.m., 1 p.m. and Tu 6 p.m.

For information, contact the Math Resource Centern, Bldg. 16/Rm.169, 541.463.5399 or lanecc.edu/math/math-resource-center.

Prerequisite: Within the past four terms completed MTH 010A, MTH 010T or equivalent courses with a grade of "C-" or better, or pass a placement test through the Testing Office. If you have taken a higher-level math course than MTH 020 and passed the course with a "C-" or better, you may not use this course for your degree/certificate requirements. This course is a review of operations with whole numbers and fractions including rounding, estimation, order of operations and problem solving. It also incorporates proper fraction notation and exponential notation. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/ math

Prerequisite: Within the past four terms completed MTH 020A or equivalent course 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 a review of operations with decimals including rounding, estimation, order of operations and problem solving. This review is followed by an introduction to ratios, proportions and percent notation. Each new topic incorporates review of previously learned skills and application problems. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

Prerequisite: Within the past four terms completed MTH 020A and MTH 020B 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.

Prerequisite: Within the past four terms completed MTH 020 or equivalent courses with a grade of "C-" or better or pass a placement test through the Testing Office. This course begins with an introduction to using variables and mathematical models in algebra. It then covers operations with real numbers and using exponents and order of operations. Each new topic incorporates review of previously learned skills and application problems. MTH 060 is the first term of a two-term sequence in introductory algebra which prepares students for Elementary Algebra, MTH 065. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

Prerequisite: Within the past four terms completed MTH 060A or equivalent course with a grade of "C-" or better. This course covers solving linear equations in one variable. It also includes solving formulas and an introduction to problem solving with linear equations. Each new topic incorporates review of previously learned skills and application problems. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

Prerequisite: Within the past four terms completed MTH 060A and MTH 060B (or equivalent course) with a grade of "C-" or better. This course covers problem solving in geometry, linear inequalities in one variable, and graphing linear equations. Each new topic incorporates review of previously learned skills and application problems. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

Prerequisite: Within the past four terms completed MTH 060A, MTH 060B, and MTH 060C (or equivalent course) with a grade of "C-" or better. This course covers linear equations in two variables, including graphing, slope, and writing linear equations from given information. 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 060 course. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

you may not use this course for your degree/certificate requirements. This course reviews the topics of polynomials and factoring and extends the topics to cover several variables. Each new topic incorporates review of previously learned skills and application problems. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math. MTH 095 provides a foundation for MTH 097, MTH 105, MTH 111, or MTH 211 or MTH 213.

Mathematics: Traditional Instructor-Led Format

For information, contact the Mathematics Division, Bldg. 16/Rm. 166, 541.463.5392.

MTH 010A Whole Numbers, Fractions, and Decimals...........3 credits Prerequisite: Placement by the LCC math test or consent of the instructor. Students will review whole number skills and learn to compute with fractions and decimals. Concepts, problem solving, and applications will be integrated into the curriculum to increase students' abilities and to extend their understanding of basic math principles in preparation for higher level math courses. Effective math study strategies and math anxiety issues will be discussed to increase students' confidence in their abilities to succeed in math classes and to use math in daily life. MTH 010A is intended for students who need to strengthen their basic math skills before moving on to MTH 020.

with the earlier review skills integrated throughout. Some applications for technical careers will be incorporated for students in professional technical programs. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math. This course is available in a self-paced format (see heading Mathematics: Self-paced format). May be offered online.

signed numbers, positive and negative exponents, scientific notation, the Cartesian coordinate system, linear equations and their graphs, linear systems and their graphs, quadratic equations and their graphs, forming expressions and equations from real situations. Oblique triangle trigonometry is an optional topic. Fraction skills will be reviewed as needed. The course will emphasize clear communication of mathematical results. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

MTH 095 Intermediate Algebra.....5 credits Prerequisite: Within the past four terms completed MTH 065, MTH 070 or equivalent course with a grade of "C-" or better or passed a placement test through the Testing Office. MTH 095 is a 5 credit course with 4 credits earned through lecture format and 1 earned through participation in the Math Resource Center's tutoring and additional instruction. 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. Topics include equations, function notation, polynomials, coordinate graphing, rational equations, radical equations, exponents, quadratic functions, exponential and logarithmic functions, inequalities and problem solving methods. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math. This course provides a foundation for MTH 097, MTH 105, MTH 111, or MTH 211 or MTH 213. This course is available in a self-paced format (see heading Mathematics: Self-paced format).

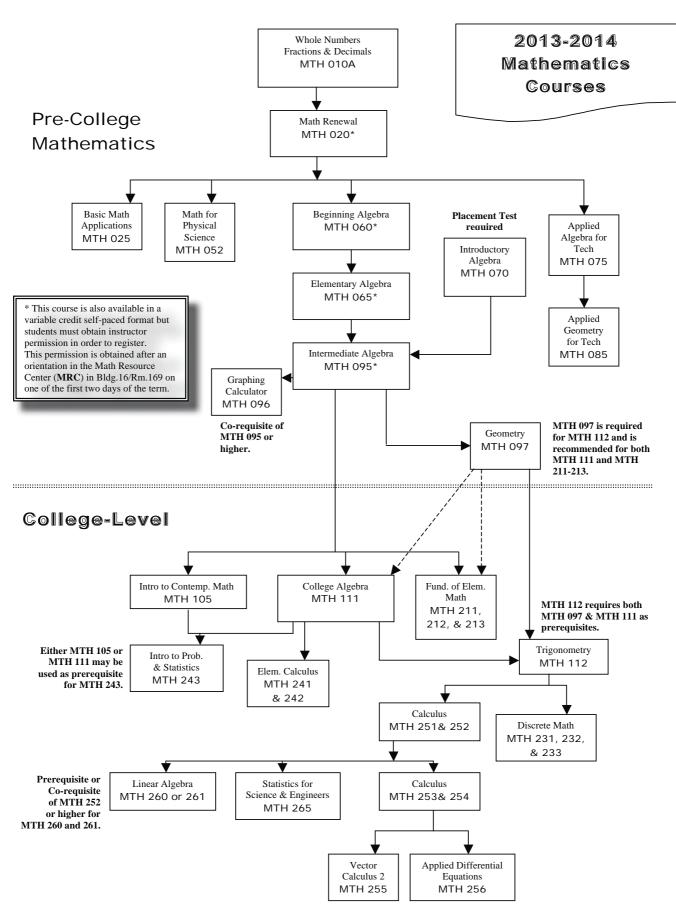
MTH 105 Introduction to Contemporary Mathematics 4 credits Prerequisite: Within the past four terms completed MTH 095 or equivalent course with a grade of "C-" or better or passed a placement test through the Testing Office. Survey of Applications of Mathematics for non-science majors including probability, statistics, finance and exponential modeling. (Also available online). Scientific Calculator or Graphing Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

 probability and at least two of the following topics: history and uses of geometry, matrices and linear systems, Markov chains, game theory, graph theory involving routing and networks, mathematics of voting and apportionment, or other topics approved by the Mathematics Division.

MTH 211 Fundamentals of Elementary Mathematics 1 4 credits Prerequisite: Within the past for terms completed MTH 095 or equivalent course with a grade of "C-" or better or pass a placement test through the Testing Office. MTH 097 is strongly recommended. 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. A scientific calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

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. Geometry, MTH 097, is strongly recommended. 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. A scientific calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

MTH 213 Fundamentals of Elementary Mathematics 34 credits Prerequisite: MTH 211 or MTH 212 with a grade of "C-" or better completed within the past four terms. Geometry, MTH 097, is strongly recommended. 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. A scientific calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.



Note: For each Math course, enrollment requires passing either the prerequisite course with a "C-" or better, or passing a placement test in the Testing Office within the past 4 terms.

proof, sequences, recursion and mathematical induction. The order of the topics may vary with instructor and text. Scientific Calculator may be required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

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. Graphing Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

 topics include conceptual development of the definite 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. Graphing Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math.

MTH 254 Vector Calculus 1 (Introduction to

MTH 255 Vector Calculus 2 (Introduction to

Mechanics - See Automotive, Aviation, Diesel

Media Arts

For information about classes with course numbers that begin with:

FA 263-265 and ENG - Contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5919.

ART, FA, MDP, MUL, and VP - Contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541.463.5409.

ENG 195 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 195 is the first course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en scy®ne, editing, and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test students "ways of seeing." ENG 195 focuses on the formal elements of the shot: cinematography, mise en scène, blocking, and movement.

ENG 196 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 196 is the second course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en scv®ne, editing, and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test student's "ways of seeing." ENG 196

reviews the elements of film style relating to the individual film shot, but it emphasizes the formal means by which shots are built into the larger structures of scene, segment, and finished film: editing, sound, screenwriting, and narrative structure (e.g., editing style sequence shots, continuity editing, montage and editing techniques on the types and uses of film: foley, dialogue, theme music, etc.).

ENG 197 Introduction to Film Studies0-4 credits College-level reading and writing skills (a passing grade in WR 115 or placement into WR 121 or instructor permission) are strongly recommended for success in this course. ENG 197 is the third course of a year-long sequence focusing on the history, art, and social contexts of film as an art form. A primary objective of the course is to enhance students' enjoyment and appreciation of film by developing their cinematic literacy. Students are introduced to the basic elements of film language, including cinematography, mise en scv®ne, editing, and sound. While American films are emphasized, the sequence also focuses at times on international cinema, looking at all films in the context of time, culture, and ideological effects. Weekly campus screenings are required, and clips of films are used in class for close analysis of aural and visual elements. A variety of assignments and activities develop and test students "ways of seeing." ENG 197 centers on films chosen around a theme, topic or director. Recent themes include "Film and the American Dream" or "American Independent Cinema." Providing an overview of film language, the course explores the style of the featured films and/or director and looks at their historical contexts and ideological effects relating to such contested areas of social experience as race, class, gender, sexuality, and nation.

FA 265 African American Film Images.......0-4 credits Prerequisite: A passing grade (C- or better) in WR 115 or placement into WR 122. 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 moviemaking. 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 offsetting African Americans' full, rigorous admittance into the Hollywood system.

MDP 280 Co-op Ed: Multimedia.......3-12 credits Prerequisite: Instructor approval. Co-op offers work experience in a multimedia-related business. 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. Course may be repeated.

Medical Office Assisting

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.

setting. Includes learning aseptic technique, sterilization of instruments, exam room techniques, vital signs, taking a patient history, proper handling of patient medical record and documentation requirements.

MA 280 Co-op Ed: Medical Office Assistant5-12 credits Prerequisite: MA120, MA150, HO152, and HO220 with grade of C or higher. In this required internship course students gain on-the-job work experience in local medical facilities in both clinical and administrative office settings. Students learn to identify and use additional medical equipment as well as have opportunities to integrate theory and practice introduced in the classroom with practical experiences in the professional field.

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, 541.463.3108.

MUS 115 Sight-reading and Ear Training (Second Term).....2 credits Prerequisites: MUS 114 and Prerequisite/Corequisite: MUS 112 and MUS 128. 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. May be taken with MUS112 concurrently.

MUS 116 Sight-reading and Ear Training (Third Term)2 credits Prerequisites/Corequisites: MUS 113, MUS 115, and MUS 129. Third 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, May be taken with MUS113 and MUS129 concurrently.

 others. No musical background is needed to take this class. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 6 total credits. May be applied to transfer associate's degrees.

studies of compositional techniques in tonal harmony. Emphasis of MUS 211 is on chromaticism and analysis. Includes altered chords (N6 and augmented sixths chords), modal mixture and diatonic modulation. May be taken MUS224 and MUS214 concurrently.

MUS 224 Sight-reading and Ear Training (First Term)............2 credits Prerequisites/Corequisites: MUS 211 and MUS 214. Continues development of student's perception, knowledge, and skills needed to notate melodies, 2 and 4 part harmonies. May be taken with MUS211 and MUS214 concurrently.

MUS 225 Sight-reading and Ear Training (Second Term).....2 credits Prerequisite: MUS 224. Prerequisite/Corequisite: MUS 212, MUS 215. Continues development of student's perception, knowledge, and skills needed to read and write music. May be taken with MUS212 and MUS215 concurrently.

MUS 226 Sight-reading and Ear Training (Third Term)2 credits Prerequisites/Corequisites: MUS 213, MUS 216, and MUS 225. Continues development of student's perception, knowledge, and skills needed to read and write music. May be taken with MUS213 and MUS216 concurrently.

 influenced the course of Western Music. Spring term covers the Romantic era (including middle to late Beethoven) through twentieth-century to the present (c.1800-present).

Audition required. The Lane Jazz Ensemble performs formal concerts on and off campus throughout the year (Fall, Winter, Spring). 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.

 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 183 Individual Lessons: Clarinet (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 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 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

MUP 189 Individual Lessons: Baritone Horn

MUP 191 Individual Lessons: Percussion

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 45-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. 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

MUP 284 Individual Lessons: Saxophone

MUP 286 Individual Lessons: Trumpet

MUP 287 Individual Lessons: French Horn

MUP 288 Individual Lessons: Trombone

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. Contents and expected learning proficiencies of this course vary from term to term. 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 Promotion4 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-

NRS 111A Foundations of Nursing in Chronic Illness 1.......2 credits This course introduces assessment and common interventions (including technical procedures) for clients with chronic illnesses common across the life span in major ethnic groups within Oregon. The client and family' "lived experience" of the illness, coupled with clinical practice guidelines and extant research evidence is used to guide clinical judgments in care to the chronically ill. Roles of multidisciplinary team in care of the chronically ill, and legal aspects of delegations are explored. Through case scenarios, cultural, ethical, health policy, and health care delivery system issues are explored in the context of the chronic illness care. Case exemplars include children with asthma, adolescent with a mood disorder, adult-onset diabetes, and older adults with dementia. (Concurrent with Pathophysiology 1 and Pharmacology 2). (Can follow Foundations of Nursing in Acute Care I).

NRS 111B Foundations of Nursing in

NRS 112B Foundations of Nursing in

NRS 221A Foundations of Nursing in

NRS 221B Foundations of Nursing in

NRS 222A Foundations of Nursing in

NRS 222B Foundations of Nursing in

PN 101A Practical Nursing 1.....8 credits Prerequisite: MTH 065; WR 121; HO 100; BI 233; PSY 201 Admission in the Practical Nursing program. Corequisite PN 101B. 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.

Nutrition

For information, contact the Health Professions Division, Bldg. 4/Rm. 222, 541.463.5617.

FN 298 Independent Study......1-3 credits
A variable credit course based on independent study contracted between an instructor and a student.

Occupational Skills

For information, contact the Cooperative Education Division, Bldg. 19/Rm. 231, 541.463.5203.

GWE 180 Co-op Ed: General Work Experience......1-12 credits Prerequisite: Instructor approval. This course provides on-the-job learning experiences in community businesses and organizations. Students develop employability skills, explore career options and network with professionals and employers while earning college credit that may be applied toward a certificate or degree.

GWE 280 Co-op Ed: General Work Experience......3-12 credits Prerequisite: Instructor approval. This internship course provides onthe-job learning experiences in community businesses and organizations. Students will develop work place skills, explore career options and network with professionals and employers while earning credit toward a degree.

Office Assistant - See Administrative Support

Paramedicine - 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.

by instructor, but may include our duties to animals and the environment; consumerism and materialism; issues in bioethics such as abortion, euthanasia, human cloning and genetic engineering; the proper size and scope of government; crime, including 'victimless' crimes such as drugs, pornography and prostitution; poverty, both in the U.S. and abroad; war; free speech and other personal liberties; and various forms of discrimination and prejudice. May be offered as a live interactive course.

REL 202 Religions of China and Japan

REL 203 Religions of the Middle East

REL 231 Buddhist Meditation Traditions:

Photography

For information, contact the Art and Applied Design Department, Bldg. 11/Rm. 101, 541.463.5409.

ART 264 Photography as Method:

ART 265 Studies in Contemporary Photography......3 credits Study of the major commercial and artistic trends in photography

from 1960 to the present. Entails critical reviews of the relationship of photography to significant cultural, political, and artistic trends of the recent past. May be offered online.

ART 283 Fine Art Black/White Photography and

Physical Education

Also see Dance and Fitness Training

For information, contact the Health and PE Division, Bldg. 5/Rm. 205, 541.463.5545.

 endurance, increased muscular strength and altered body composition. Individuals of all fitness levels can experience the benefits of this class by employing suitable resistance and intensity options.

able for our range.

may bring own racquet.

256 **Physical Education** PE 183F Fitness Education: Introduction1 credit Students are guided in creating a balanced, personal fitness program in a supportive and noncompetitive environment. After completing a mandatory orientation (see PE 183FO), students attend exercise sessions to fulfill course requirements and meet personal fitness goals. All fitness levels welcome. PE 183FO Fitness Education: Orientation 0 credits Students registered for Fitness Education: Introduction must register for this one time, mandatory orientation. This orientation covers course policies, grading, and general fitness information. Assistance is provided in developing a personalized exercise program for the student. PE 183G Fitness Education: Returning......1 credit 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. 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, workout attire, injury prevention and nutrition. A variety of routes will be used. PE 183R Stability Ball Fitness.....1 credit 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 183S Strength Training.....1 credit Emphasis on progressive resistance training using a variety of exercise modalities including barbells, dumbbells, resistance bands, body weight, and machines. Develop and assess strength, muscular size, muscle definition, toning, and improve general physical condition. Safe and proper technique, routines, programs, and nutrition will be discussed. PE 183T Power Conditioning......1 credit Prereauisites: Any of the sports classes ((PE191, PE192, PE193, PE195, PE196 or PE197) 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. Safe techniques, routines, nutrition and stress management concepts will be discussed. PE 183U Strength Training for Women1 credit Learn safe and correct techniques with free weights, machines, bands, stability balls and more, to tone and strengthen major muscles. Instruction in basic anatomy, terminology, nutrition, and exercise principles associated with resistance training. Open to women of all ages and experience levels. PE 183W Progressive Integrative Exercise......1 credit Students perform individualized or small group programs to improve fitness in both the injured and individuals with controlled diseases. Exercise programs may include: flexibility, strength, and cardiovascular endurance. Must be able to exercise independently with minimal supervision or assistance. PE 184A Archery1 credit Beginning and experienced students will learn safety, use of equipment, basic rules, etiquette, terminology and skill techniques to

provided. If you have your own equipment, ask instructor if it is suit-

Designed for experienced archers to improve basic skills and develop

more consistency in form, aiming, techniques and scoring at a vari-

ety of distances and targets. All equipment provided. If you have your own equipment, ask instructor if it is suitable for our range.

PE 184B Badminton......1 credit

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 184C Badminton Intermediate......1 credit Designed for experienced players to refine basic skills and develop advanced shots and strategies in singles and doubles play. Equipment provided, but may bring own racquet. PE 184D Bowling1 credit Development and improvement of skills for a social and popular recreational lifetime activity. Fundamentals of spot bowling and line bowling techniques used for both straight and hook deliveries. Rules, scoring and etiquette will be covered. Designed for beginning bowlers. PE 184F Fencing1 credit 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 184FI Fencing Intermediate......1 credit Prerequisite: PE 184F with a C- or better or instructor approval. Students will review the skills from Fencing and develop new technical and tactical skills. Expanded instruction in the rules and sportsmanship of fencing tournament play will be included. Class includes warm-up and stretching skills. PE 184G Golf Beginning......1 credit 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. PE 184H Golf Intermediate1 credit Intermediate golf is a continuation of beginning golf with an emphasis on swing mechanics, trouble shots, strategy and more extensive application of rules. Previous playing experience recommended. PE 184I Ice Skating Beginning.....1 credit Introduction to ice skating. Safety, equipment, forward and backward swizzles, one and two foot glides, stroking, forward and backward crossovers, stops and beginning turns. Written and skill testing required.

shoot at different size targets at various distances. All equipment

PE 184J Ice Skating Intermediate1 credit An intermediate level ice skating class that builds on the beginning skills of forward and backward stroking and crossovers and provides instruction in forward and backward turns, edges, beginning jumps and spins. A hockey track is available for skaters interested in learning basic hockey skills and game rules. Written and skill testing required. PE 184K Karate1 credit Basic skills of karate including blocks, punches, strikes, and kicks. Discussions include technique and power, history of karate, and the students' legal rights and responsibilities for self-defense in Oregon. This class includes sparring strategies. PE 184N Conditioning for Martial Arts.....1 credit

Specific fitness, flexibility and movement skills for martial arts. Includes cardio fitness and muscular endurance exercises. Develops core strength, limb strength, and improve flexibility. A variety of exercise modalities will be used including body weight resistance and resistance bands.

PE 184P Personal Defense1 credit Instruction in fundamental personal defense skills and prevention methods to improve one's safety. Students develop skills which promote self-assurance to reduce panic. The Legal rights and responsibilities in Oregon will also be presented.

PE 184R Disc Golf1 credit Basic skills of Disc Golf. This class will include discussion of rules, strategy and etiquette for organized play. Techniques learned in putting, throwing and footwork will prepare students for active game play. Students will be prepared for tournament play and enjoyment of this exciting, competitive sport.

PE 184T Tennis.....1 credit Learn and develop basic tennis skills including forehand, backhand, serve, return of serve and volley through drills, and game play. Learn and apply basic doubles strategy, rules, etiquette and terminology.

PE 184U Tennis Intermediate1 credit Tennis Intermediate is a continuation of Beg. Tennis designed to refine basic skills and develop advanced strokes and strategy in singles and doubles play. Designed for experience players.

PE 185M Meditation
PE 185T Tai Chi Chuan
PE 185U Tai Chi Chuan Intermediate
PE 185Y Yoga
PE 185YG Gentle Yoga
PE 185Z Yoga Intermediate
PE 186D Downhill Skiing and Snowboarding
PE 186H Handguns and Personal Safety
PE 186W Whitewater River Rafting
PE 188B Basketball
PE 188C Basketball Intermediate
PE 188F Flag Football
PE 188P Soccer
PE 188Q Soccer-Indoor
PE 188S Softball

PE 188U Ultimate Frisbee	Th cut so ga
PE 188V Volleyball	Inc op

PE 188W Volleyball Intermediate......1 credit This class will include a review of skills and techniques fundamental to the game. Additional strategies and techniques will be discussed. Previous competitive playing experience recommended.

PE 191A Cross Country Conditioning 1......1 credit A conditioning class designed for students interested in participating in competitive cross-country running. Emphasis on conditioning and endurance. Previous cross country experience recommended. Ability level evaluated first week with 5k endurance test.

PE 191B Cross Country Skills 1......1 credit Theory, analysis, advanced skills and techniques for skilled performers and individuals who are preparing for a competitive cross country experience. Course covers terminology, regulations, and healthy lifestyle choices. Previous cross country experience recommended. Ability level evaluated first week with 5k endurance test.

PE 191C Cross Country Conditioning 2......1 credit Prerequisite: PE 191A or similiar experience. 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.

PE 191D Cross Country Skills 2.....1 credit 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.

PE 192I Soccer Conditioning 11 credit A conditioning class designed for students with an interest in participating in competitive soccer. Emphasis on conditioning, exercise principles, and the development of fundamentals. Previous competitive playing experience recommended.

PE 192J Soccer Conditioning 21 credit 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.

PE 192K Soccer Skills 1......1 credit Theory, analysis, skills and techniques for students preparing for a competitive soccer experience. Course covers terminology, rules, strategy, conduct, sportsmanship and healthy lifestyle choices. Previous competitive playing experience recommended.

PE 192M Soccer Skills 2.....1 credit Prerequisite: PE192K 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.

PE 193A Basketball Conditioning 11 credit A conditioning class designed for students interested in participating in competitive basketball. Strong emphasis on conditioning, endurance and fundamentals. Previous competitive playing experience recommended.

PE 193B Basketball Skills-Mens Rules 1......1 credit Theory, analysis, skills and techniques for students preparing for a competitive basketball experience. Covers terminology, rules, strategy, conduct, sportsmanship and healthy lifestyle choices. Men's ball and Men's NCAA rules. Previous competitive playing experience highly recommended.

230 Fritysical Education - Fritysical Therapist Assistance	
	PE 193C Basketball Conditioning 2
	PE 193D Basketball Skills-Mens Rules 2

tit all conduct, sportsmanship and healthy lifestyle choices. Men's ball and NCAA rules. Competitive playing experience highly recommended.

PE 195A Basketball Women's Conditioning 11 credit A conditioning class designed for students interested in participating in competitive basketball. Strong emphasis on conditioning, endurance and fundamentals. Previous competitive playing experience recommended.

PE 195B Basketball Skills-Women's Rules 1 1 credit Theory, analysis, skills and techniques for students preparing for a 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.

PE 195C Basketball-Women's Conditioning 21 credit Prerequisite: PE195A 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.

PE 195D Basketball Skills-Womens Rules 2......1 credit Prerequisite: PE195B 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.

PE 196A Track & Field Conditioning 11 credit 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.

PE 196B Track and Field Skills-Rules 1......1 credit 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.

PE 196C Track & Field Skills-Men's Rules 1......1 credit 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.

PE 196D Track & Field Conditioning 2 1 credit Prerequisite: PE196A 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.

PE 196E Track and Field Skills-Rules 21 credit Prerequisite: PE196B 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.

PE 196F Track & Field Skills-Mens Rules 2......1 credit Prerequisite: PE196C or similar experience. An advanced course that covers theory, analysis, skills and techniques for individuals who are preparing for a competitive track and field experience. Course covers terminology, regulations, strategy, conduct, sportsmanship and healthy lifestyle choices. Course is more technical and advanced than PE196C.

PE 197A Baseball Conditioning 1......1 credit A conditioning class designed for students interested in participating in competitive baseball. Emphasis on conditioning and development of fundamentals. Previous competitive playing experience recommended.

PE 197B Baseball Skills 1.....1 credit 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.

PE 197C Baseball Conditioning 2......1 credit Prerequisite: PE197A or similar experience. An advanced conditioning class designed for students interested in participating in competitive baseball at an elite level. Emphasis on conditioning and development of fundamentals. Previous competitive playing experience highly recommended.

PE 197D Baseball Skills 2.....1 credit Prerequisite: PE197B or similar experience. Advanced course in theory, analysis, skills and techniques for individuals who are preparing for a competitive baseball experience at an elite level. Covers terminology, regulations, strategy, conduct, sportsmanship and healthy lifestyle choices. Competitive playing experience highly recommended.

PE 298 Independent Study1 credit A variable credit course based on independent study contracted between the instructor, student and Division Dean.

Physical Science - See Chemistry, Earth and **Environmental Science, Physics**

Physical Therapist Assistance

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 100 Introduction to Physical Therapy......3 credits Prerequisite: Admission into the PTA program. This course introduces the roles and responsibilities of physical therapy providers. Topics include history, practice patterns, laws, professionalism, communication, and information literacy. May be offered online.

PTA 101 Introduction to Clinical Practice 1......5 credits Prerequisite: Admission into the PTA program. This course introduces physical therapy practice patterns for acute and chronic soft tissue injuries. Students are introduced to principles of body mechanics, gross mobility training, positioning, physical agents, and aquatic therapy. May be offered online.

PTA 101L Introduction to Clincal Practice 1 Lab......2 credits Prerequisite: Admission into PTA program Corequisite: PTA 101 This co-requisite lab to PTA 101 allows for practice of physical therapy interventions for pain and soft tissue injuries. Topics and skills include safe application of physical agents, exercise, gross mobility training, positioning, and effective communication/documentation. May be offered in a format with some online instruction.

PTA 103 Introduction to Clinical Practice 2......5 credits Prerequisites: PTA 101, PTA 101L, HO 152 or BI 233 Corequisite: PTA 103L The course is designed to assist PTA students in gaining a greater understanding of single organ dysfunction and subsequent effects on patient function. Anatomy, physiology, etiology, and theory are integrated with clinical considerations for effective physical therapy treatment. May be offered online.

PTA 103L Introduction to Cliinical Practice 2 Lab......2 credits Prerequisite: PTA 101, PTA 101L Corequisite: PTA 103 This co-requisite lab to PTA 103 allows for students to practice clinical skills, tests, and measures for improving outcomes in patients/clients with single organ dysfunction. Students practice effective communication and treatment skills for multiple practice settings. May be offered in a format with some online instruction

PTA 104 PT Interventions-Orthopedic Dysfunctions 5 credits Prerequisite: PTA 103, PTA 132 Corequisite: PTA 104L This course designed to assist students in gaining a greater understanding of bone tissue disease and disorders, and their effects on function across the lifespan. Anatomy, physiology, etiology, and theory are integrated with clinical considerations for effective physical therapy treatment. May be offered online.

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.

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 -

PTA 205 PT Interventions -

PTA 205L PT Interventions -

 complex medical/integument conditions. May be offered in a format with some online instruction.

Physics

For information, contact the Science Division, Bldg. 16/Rm. 156, 541.463.5446.

ASTR 123 Cosmology and the

Bang, the geometry of space-time, the cosmic background radiation, dark matter and dark energy. See information about the ASTR 121, 122, 123 sequence in the ASTR 121 course description.

Prerequisite: MTH 052 or above with grade of 'C-' or better or pass placement test. Some or all of the PH 101,2,3 sequence can be taken in any order. The 'Fundamentals of Physics' courses provide an introduction to a broad range of fundamental physics concepts. PH 101,2,3 are recommended for anyone seeking a good basic level of physics literacy. The sequence is designed for non-science majors, but also serves prospective science majors who want to gain a better conceptual grounding before taking General Physics. The sequence also meets physics elective requirements for career-technical students, and provides physics transfer credit if needed. Emphasis is on everyday phenomena and conceptual understanding more than calculations. PH 101 focuses on the nature of science, data analysis, Newton's explanation of motion, momentum, energy, gravity, the atomic nature of matter, and properties of solids, liquids, gases, and plasmas. The class environment includes labs, demonstrations, discussion, and individual and group activities.

 science majors. PH 211,2,3 require a concurrent study of calculus in Math 251,2,3, if calculus hasn't been studied previously. Concurrent study of calculus can be expected to be supported by the experience of these physics courses. These three courses all focus on conceptual understanding and exploration, visual and mathematical representation, calculation, and problem solving. PH 211 introduces the nature of science, Classical Newtonian Mechanics, energy, and momentum. The class environment includes labs, demonstrations, discussion, and individual and group activities.

PH 298 Independent Study......1-3 credits
A variable credit course based on independent study contracted between an instructor and a student.

Political Science

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

PS 205 International Relations....... 3 credits This introductory course examines the system of relationships between states, including international organizations and

non-governmental organizations. Global issues such as international trade, the environment, human rights, and organized violence are emphasized.

PS 275 Legal Processes Through

PS 280LW Co-op Ed: Pre Law2-12 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. Previous legal experience or coursework not required; a one term commitment is required, but course can be repeated.

PS 297 H Environmental Politics-Honors 4 credits This is an honors-level course open to any student prepared to complete honors-level coursework. Honors classes delve deeper into course topics and require 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 more information. This course focuses on current environmental problems, alternative frameworks for understanding these problems, and appropriate political responses. Among the problems covered are overpopulation, economic globalization, ozone depletion, the greenhouse effect, bio-colonization, and the depletion of renewable and non-renewable resources. Alternative frameworks considered include the philosophical visions of Deep Ecology and Gaia. These frameworks are used to investigate possible ways to create sustainable economic, political and social systems. Finally, the course focuses on grass roots politics, including groups and social movements actively seeking to promote environmental and social justice.

Psychology

For information, contact the Social Science Division, Center Bldg./Rm. 403, 541.463.5427.

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.

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.

of instructor. Orientation to respiratory care profession and affiliated clinical sites. Topics include job requirements, professional credentialing, training for HIPAA, infection control, blood-borne pathogen, harassment, and general hospital policy/procedure. Observational rotations at clinical sites required.

RT 148 Advanced Placement Clinical Practice.......1-8 credits Prerequisite: Acceptance into Respiratory Care Program and consent of instructor. This course is designed to assess the clinical skills of candidates for advanced placement in the Respiratory Care program. Students will be observed performing all aspects of clinical respiratory care to determine appropriate placement in the clinical practice courses of the program.

attitudes/ behaviors in the clinical setting. Adult intensive care and initiation/monitoring of mechanical ventilators emphasized.

RT 280 Co-op Ed: Respiratory Therapy1-12 credits Prerequisite: Acceptance into the Respiratory Care Program and consent of instructor. Provides an opportunity to earn college credit while working in the field of Respiratory Care under supervision, supporting class work and future employment. May be taken as an optional elective. Required four credit course in final term of program as critical-care focused clinical practicum.

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

Speech Communication

For information, contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

SP 222 Forensics 1-2 credits See SP 221

Spelling - See Study Skills

Student Leadership Development

For information, contact the Student Life and Leadership Department, Bldg. 1/ Rm.206, 541.463.5337.

PS 280 Co-op Ed: Political Science2-12 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.

SLD 103 Post-Racial America: Challenges and

SLD 111 Chicano/Latino Leadership 1:

SLD 112 Chicano/Latino Leadership 2:

SLD 113 Chicano/Latino Leadership 3:

SLD 121 African American Leadership:

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.

 manage time effectively, use the library, and make visual study tools. Coursework requires college-level reading skills.

Television - See Media Arts

Theatre Arts

For information, contact the Music, Dance and Theatre Arts Department, Bldg. 6/Rm. 204, 541.463.3108.

TA 121 Introduction to Costume Design......3 credits Student will learn basic sewing, costume rendering and execution of a design.

TA 153 Theatre Rehearsal and Performance.......1-3 credits Consent of the instructor. Designed to provide practical application of classroom theory. The course may be repeated for a maximum of nine credits. Should be taken by participants in a theatrical production of this department scheduled for public performance. Contents and expected learning proficiencies of this course vary from term to term. May be repeated up to 9 total credits.

TA 253 Theatre Rehearsal and Performance......1-3 credits Designed to provide practical application of classroom theory and skills. Should be taken by participants in a theatrical production of the Music, Dance, and Theatre Arts Department that is scheduled for public performance. Contents and expected learning proficiencies

of this course vary from term to term. May be repeated up to 9 total credits

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 Institute for Sustainable Practices, DCA/406, 541.463.6160.

WATR 206A Coop Ed: Water Conservation Seminar 1 1 credit Students will increase their understanding of industry expectations as well as develop job search tools and skills. Students will learn and practice presenting themselves to employers in a competent and professional manner in preparation for a cooperative education internship.

WATR 206B Co-op Ed: Water Conservation Seminar 2 1 credit Prerequisite: WATR 206A This course is a continuation of WATR 206A and further develops students' understanding of industry expectations as well as job search tools and skills. The emphasis is to provide additional skills that will help students find employment upon earning their degree.

WATR 210 Water Conservation:

WATR 220 Water Conservation:

 techniques and the role of economic incentives in encouraging efficient resource use.

WATR 280 Co-op Ed: Water Conservation Technician3-12 credits This internship course offers a work experience that integrates theory and practice 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. 156, 541.463.5446.

GS 102 General Science: Introduction to

WST 206 Co-op Ed: Watershed Science

WST 222 Threatened and Endangered Species

WST 280 Co-op Ed: Watershed Science Technician.......3-12 credits In this internship course, students gain watershed science-related work experience in businesses, government, non-profits and NGOs. Integrate classroom theory with practical experience in the professional world. Develop skills, explore career options and network with professionals and employers while earning college credit.

Web - See Business and Computers: Introduction/ Information Systems/Computer Science

Welding - See Fabrication and Welding

Women in Transition

For information, contact the Women's Program, Bldg.1/Rm. 202, 541.463.5353.

College Success For Spanish Speaking Women

This credit class is intended to reach Spanish speaking women and Spanish speaking youth who are preparing to study at Lane Community College and want to learn how to be successful in the college level academics. This class is offered in Spanish. The class will focus on Lane Community College systems, sensitively dealing with family-cultural barriers, setting up an appropriate study environment, how-to manage time, forming good study skills, finding scholarships, and learning about student resources. Both non-traditional and high school students are encouraged to enroll for this class.

CG 100T College Success: WIT......1-3 credits Prerequisite: CG 220. This course is designed to help students enrolled in the Women in Transition Program in identifying, exploring and implementing vital self-management skills crucial to creating and maintaining success in college and life. Students will utilize a variety of experiential, personalized tools as they learn how to apply concepts of self-management to developing and achieving academic and personal goals.

CG 100TA College Success:

CG 100TB College Success:

EL 115T Effective Learning: Women in Transition....... 3 credits Prerequisite: CG220, can be taken in a previous term or concurrently. This course is designed for students who are in the Women in Transition program and 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. Coursework requires college level reading skills.

MTH 010T Whole Numbers, Fractions, and

applications for technical careers will be incorporated for students in professional technical programs. Scientific Calculator is required. Please refer to the Calculator Recommendation Chart on lanecc.edu/math. This course is available in a self-paced format (see heading Mathematics: Self-paced format).

 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.

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 Selves3 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.



family, sexuality, body image, gender socialization, violence against women, social and economic relations, and theories about women's oppression, authority, and power. Class discussion is central in relating readings and lectures to students' everyday lives. Participation in a weekly discussion group is required.

Writing

For information about classes with course numbers that begin with:

ENG and WR080-095 - Contact Academic Learning Skills, Center Bldg./Rm. 218, 541.463.5439.

WR115-245 - Contact the Language, Literature and Communication Division, Center Bldg./Rm. 457, 541.463.5419.

use critical reading skills to analyze essays and improve their own writing. Students will produce writing that reflects knowledge of advanced grammar skills. Students will submit final drafts typed and printed from a computer. Course activities may be enhanced through an extended workshop setting, an online module, or a service learning component.

WR 115W Introduction to College Writing:

WR 122 Composition: Argument, Style and Research 4 credits Prerequisite: A passing grade (C- or better) in WR 121. or a passing score on the English Department's Waiver exam. While continuing the concerns of WR 121-English Composition: Introduction to Academic Writing WR 122-Argument, Style, and Research focuses on persuasion and argument supported by external research, including the processes of finding and evaluating sources, analyzing, documenting, and integrating source material into the student's own text. Both subjects—argument and research—are presented in the context of critical reading and the writing. May be offered online.

WR 122_H Composition: Argument, Style and

information. While continuing the concerns of WR 121-English Composition: Introduction to Academic Writing WR 122-Argument, Style, and Research focuses on persuasion and argument supported by external research, including the processes of finding and evaluating sources, citing, documenting, and integrating source material into the student's own text. Both subjects—argument and research—are presented in the context of critical reading and the writing.

WR 241 Introduction to Imaginative Writing: Fiction.............4 credits Prerequisite: A passing grade (C- or better) in WR 121, or a passing score on the English Department's waiver exam, or waived based on instructor's evaluation of student writing. Writing 241 is an introduction to the principles and practice of writing, editing, and publishing short fiction. Elements covered include character, conflict, plot, point of view, setting, theme, dialog, and tone. Stories by well-known authors are read and discussed as models. Students generally write two to three stories in addition to completing other exercises, peer responses, and a journal. Workshop discussions are often used along with instructor feedback to guide revision and editing of student work.

WR 242 Introduction to Imaginative Writing: Poetry4 credits Prerequisite: A passing grade (C- or better) in WR 121, or a passing score on the English Department's waiver exam, or waived based on instructor's evaluation of student writing. Writing 243 is a course in writing poetry. The goals of the course are to help students: 1) learn the elements of poetry; 2) read poems by well-known poets; 3) develop ability in writing poems; 4) read and write poems effectively; 5) receive constructive criticism of their writing; 6) learn to be balanced and confident in their critical evaluations of their peers; and 7) gain a better understanding of themselves and others as writers.

WR 280 Co-op Ed: English/Writing.......3-12 credits This internship course is for students with excellent writing skills who might want to work as a writer or in an occupation that requires writing. Gain work experience while polishing writing skills, explore career options and network with professionals/employers. Meet with the co-op coordinator the term before (if possible) to set up the internship.

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 Resouces, and the Multicultural Center. For complete information about these resources see pages 21 through 32.

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 pages 19-20 of this catalog.

Continuing Education

Continuing Education (CE) 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.

CE also 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. Current noncredit technical trainings available through CE are described in this catalog, Community 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 few courses have prerequisites. A list of course offerings and registration information is included in Community Education Class Schedule, mailed each quarter to area residents. Community Education Class Schedule also is available on the main campus, at the Downtown Campus, at all outreach centers, and at *lanecc.edu* prior to the beginning of each term.

Tuition and fees for noncredit classes are published in Community Education Class Schedule and on the web class schedule.

Instructors have expertise in the subjects they teach. People interested in teaching a CE course may contact a coordinator at the CE office at the Downtown Campus or call 541.463.6100.

Continuing Education Career Training

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.

Fashion Design This course of study consists of 190 hours of instruction which includes core classes and elective classes. This course trains individuals for entry level positions in fashion design. For more information, visit *lanecc.edu/ce*.

Floristry This course of study is designed to give students comprehensive information of floral industry design, management, and retail skills and behind the scenes information. The floristry course consists of 102 hours of required classes and 24 hours

of elective classes. Students gain valuable hands-on experience making basic, event and seasonal floral arrangements. Students take home practice arrangements after each class. Upon successful completion of the course, students are awarded a certificate of completion.

Jewelry Making and Marketing This course of study consists of 150 hours of core classes and 50 hours of elective classes spread over four terms. Upon completion of this course of study, students will have a comprehensive knowledge of the jewelry industry. For more information, visit *lanecc.edu/ce*.

Massage Therapist Program This program is designed to prepare students to sit for the Oregon State Board of Massage Therapists Certification Exams and has been approved by the Oregon Board of Massage Therapists. The program 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.edulce.

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. A current CPR card is required before applying for the certification exam. The program is OSBN approved. For more information, visit *lanecc.edulce*.

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 Phlebotomy Technician 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

English as a Second Language (ESL) Department provides English language instruction for English language learners who need to improve their English skills for work, community, academic, or personal goals. Courses are designed to help students with every-day communication as well as with transitions to work or to other training and academic programs, including credit and noncredit programs in community colleges or universities.

This noncredit program enrolls students from more than 40 different nations, and students from Asian, Latino, European, and Middle Eastern cultures. All classes are culturally mixed, and all instruction is conducted exclusively in English.

Registration Day classes are offered at the Main Campus (MC), 4000 East 30th Avenue. Call 541.463.5253 for more information or visit the office in Building 11, Room 201. MC office hours are 8 a.m.-5 p.m. Monday-Thursday and Friday 8:30-4:30 p.m. Evening classes are located at the Downtown Campus (DCA), 101 W. 10th Ave., Room 203. Call 541.463.6190 or stop by ESL DCA office on Monday and Wednesday between 4-7 p.m.

New and returning students must make an appointment to take an English placement test. Placement tests are available at scheduled times in both the day and evening. There is no minimum skill level for entry to classes.

ESL Classes Instruction includes seven levels of classes in integrated skills (listening, speaking, reading and writing) and supplemental classes, such as TOEFL Preparation.

Volunteer ESL Tutors Enrolled students can be matched with volunteer tutors. Community members may contact Amy Gaudia, 541.463.6184 to learn more about becoming a volunteer tutor.

International ESL Students (IESL) International students whose TOEFL score is lower than 475 PBT or 53 iBT may be issued an I-20 to obtain a student visa to attend ESL classes. International students are integrated into ESL classes and pay an international class fee comparable to international student tuition in the credit program.

International ESL application deadlines are August 1, December 1, March 1, and June 1. Students are required to attend international orientation prior to the beginning of the term. Questions concerning International Student Admissions should be directed to Jane Marshall, International Admission Coordinator, Lane Community College, 4000 East 30th Avenue, Eugene, OR 97405; telephone: 541.463.3404; lanecc.edu/international. International students on student visas must enroll for a minimum of 18 hours of class per week. Other students in the U.S. on nonimmigrant visas may enroll in ESL classes for a fee on a space available basis.

El Centro de Mujeres

El Centro de Mujeres de Lane Community College brinda el programa para mujeres "Transiciones". Si tiene interés, llame 541.463.3253.

Inglés como Segundo Idioma

El programa de Inglés como Segundo Idioma proveé instrucción a personas cuya primera lengua es otra que inglés y que necesitan mejorar su inglés para lograr sus metas personales, académicas, laborales, y comunitarias. Las clases han sido creadas con el propósito de facilitar la comunicación diaria, además de ayudar a los estudiantes a crecer laboralmente o a entrar en otros estudios y programas académicos, incluyendo programas con o sin valor curricular en Lane Community College (colegio comunitario) y en otras universidades.

Este programa sin valor curricular admite estudiantes de más de 40 diferentes naciones, incluyendo Asiáticos, Hispanos, Europeos y del Medio Oriente. Todas las clases son culturalmente combinadas y toda la instrucción es exclusivamente en inglés.

Inscripción Llame al 541.463.5253 para clases matutinas en el Main Campus o al 541.463.6190 para clases vespertinas en el Downtown Campus. También puede visitar una de nuestras oficinas: Salón 201 del Edificio 11, ubicada en la dirección 4000 E. 30th Ave y en 101 W. 10th Ave., Room 203.

Los estudiantes que quieren iniciar clases por primera vez, o los que están regresando a clases después de un tiempo de ausencia, deben hacer una cita para tomar un examen de inglés para colocarse en un nivel. Las citas para los exámenes de colocación están disponibles en horas predeterminadas por la mañana y la tarde. No hay ningún requisito mínimo de conocimiento de inglés para entrar al programa.

Clases de ESL El Programa de Inglés como Segundo Idioma (ESL) proporciona instrucción sólo en inglés y consta de siete diferentes niveles incluyendo clases de lectura y escritura, comprensión auditiva y conversación, y algunas clases suplementales como preparación para el examen de TOEFL.

Tutores Voluntarios Los estudiantes inscritos tiene la opportunidad que se les asigne un tutor voluntario. Los miembros de la comunidad pueden contactar a Amy Gaudia al 541.463.5919 para saber más acerca del entrenamiento de tutores voluntarios.



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, or have a release-referral from the local public school district if 16 or 17 years of age, or have Lane Community College homeschool release and verification of current homeschool registration from ESD. (This applies to in-school 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 in the quarterly class schedule or 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, Disability Resouces, and the Multicultural Center. For complete information about these resources see pages 21 through 32.

Registration, Costs and Payment Methods To learn about registration, costs and payment methods for Adult Basic and Secondary Education, consult the current class schedule 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 five test areas: social studies, science, reading, writing, 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 Connection

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

Adult Basic Skills Development

Moving Toward Employment (MTE): Specialized Math, Reading, Writing, and Current Events/Technology

The Basic Skills Program offers structured courses that provide specialized instruction and support for students with multiple learning styles including students with disabilities. Courses focus on improving basic academic skills including Reading, Writing and Math, Basic Math: Story Problems and Current Events. Students must meet eligibility criteria to enroll. New student orientation is held the first week of each term at the Downtown Campus. Contact the program for additional information.

Registration Students or referring agency should call 541.463.5945, Monday through Friday, 8 a.m. to 5 p.m. for more information on the admission process.

Community Services

Center for Meeting and Learning

Now offering two event locations and catering delivered to you! Center at Main Campus offers 35,000 square feet of event space serving groups up to 600. The newly built LEED Platinum Center at Downtown Campus offers over 4,000 square feet of event space for groups up to 300. The Center offers full service catering with a focus on local and seasonal selections, in-house or delivered to you. The Center serves campus, community and regional events of all types. 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. Event dollars invested at the Center help support education in our community. Call 541. 463.3500 to schedule your events and book your catering, or visit lanecc.edu/center.

Community Center for Family Counseling

Counseling and Continuing Education at Lane sponsor the Community Center for Family Counseling, informally known as Saturday Circus. Call 541.463.5234.

Both credit (CG 211) and 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 class (CG 212 for credit and noncredit learners 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. Outgrowths of the Saturday Circus are noted below.

- Each term the Improving Parent-Child Relationships telecourse (CG 213) combines real-life, in-home 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.
- An understanding anger class (CG 214) provides a goal-directed approach for improving self-management and effectiveness in responding to others who express anger.
- In collaboration with the Oregon Society of Individual Psychology, the Saturday Circus offers an Annual Conference on Families. Learners can participate through Continuing Education or as credit students (CG 299).

English As A Second Language See page 274. KLCC-FM Radio klcc.org

KLCC 89.7 FM a listener-supported public radio station licensed to Lane Community College provides NPR news, local and regional news, and a wide world of intelligent music to over 88,000 people in the Eugene/Springfield area and western and central Oregon. Musical genres include jazz, folk, blues, and world beat. KLCC consistently ranks among the top five public stations in the country for market impact.

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 National Public Radio.

Family Connections

Family Connections is a community-based child care resource. For more information, see page 22.

Library

The Library provides resources for students, faculty, staff, and community residents. For more information, see page 26.

Music, Dance and Theatre Arts

The departement presents concerts and performances available to the community. For information, see page 27.

myLane

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

Specialized Support Services

Specialized Support Services (S^3) provides employment training and education to adult students with intensive support needs. S^3 operates as a cooperative venture between the college, Lane County office of Developmental Disabilities, Full Access Brokerage, Mentor Oregon Brokerage, and the State of Oregon Division of Human Services. S^3 offers individual and small group instruction that addresses social skill development, on-the-job training, work crew skills in socially integrated settings, and competitive employment placement.

As a means of providing vocational training and actual work experience for its students, S^3 contracts to provide services to various public and private organizations. Services include confidential shredding, collating and assembling publications, paper recycling, bulk mailings, packaging , small parts assembly, and employee placement with on-the-job training and follow-along support in the employers' workplace. Additional services include janitorial, laundry work, and kitchen crews. S^3 has a central office on main campus and other jobsites in the community. For information, call 541.463.5101.

Successful Aging Institute

The Successful Aging Institute (SAI) provides lifelong learning opportunities for adults of all ages, with special emphasis on classes for mature adults and those who nurture their success. Explore new careers, including those related to work with older adults; cultivate skills for the third age of life; and enjoy stimulating interactive courses in a variety of disciplines. SAI offers courses that promote health, wellness, intellectual growth, and information about the issues relevant to successful aging. Tailored training for professional caregivers and senior-related businesses is also available. Contact SAI with ideas of classes you would like to take and/or teach. At Lane, your quest for learning never ends. For information, call 541.463.6262 or visit *lanecc.edu/sai*.

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 30+ agencies throughout Lane County, Companions provide more than 60,000 hours of service to 400+ 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 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 541.682.4038 if you would like to receive the services of a Senior Companion.)

Business and Workforce Development

Small Business Development Center

The Small Business Development Center (SBDC) provides excellent entrepreneurial education for all phases of business development, from starting a business to growing an existing business. The Center, founded in 1982, is a member of the Oregon Small Business Development Center Network and is actively involved in economic development in Lane County. Thanks to grant funds and support from the college, resource referrals and advising is available at no-cost to the participant.

The SBDC is located at LCC's new Downtown Campus Building, 101 West 10th Avenue, Ste. 304, Eugene. Business hours are 8:30 am to 5 pm, Monday-Friday. Phone number is 541.463.6200. Website is LaneSBDC.com.

Business/Entrepreneurial Services

- Personalized and confidential no-cost business advising Experienced advisors focus on essential business skills, including startup planning, marketing, professional networking and critical decision making. (Advising is available by appointment only.)
- Entrepreneurial classes, workshops, and business management programs Business professionals teach and develop practical skills, in class and workshop settings, with opportunities to network with peers and use the information learned immediately.
- Resource library, housed in the Lane SBDC An
 extensive business library offers a vast array of books and
 other resources, with helpful information for building business
 knowledge and skills. The SBDC also offers help with accessing
 the Lane Business Link website, a repository for resources
 throughout our city, county, and state.

Business Classes and Workshops

Business Start-up and Early Stages

The SBDC offers a variety of classes and workshops for the early stages of business; from start-up, to marketing, record keeping, taxes, and more. The Center partners with local experts and other service providers to offer topics of interest to business owners.

First Steps in Business

Starting a business takes creativity, drive, energy, money, and lots of hard work; but can have huge rewards. Find out what components make up a successful business, in this three-hour workshop. Participants have the opportunity to discuss ideas and rate entrepreneurial skills. For those who decide to continue, the "Going Into Business: Next Steps" class expands the planning process.

Going Into Business: Next Steps (GIB)

GIB is an in-depth business development class, (in ten 2-1/2 hour sessions), for individuals who have decided to take the entrepreneurial plunge. This class gives all the tools needed to create a sound foundation. Decide on the structure and financial setup, record keeping, taxes, planning, marketing, and more. Guest speakers and former students share their expertise. Follow-up advising is available, to assist with building a business further.

Innovation Series

Participants will learn how to take their creative ideas, evaluate them, and protect them. The class, offered in two-hour sessions, over the course of seven weeks, can be taken as a series or as individual modules. It helps entrepreneurs turn ideas into business goals and then achieve those goals. Assistance for inventors includes product development, resource information and referrals, training, and one-on-one confidential business advising.

QuickBooks® for Business

Learn how to use basic and advanced QuickBooks® functions. Class consists of three-hour modules, which can be taken separately or as a series. Information includes paying expenses using cash, checks, or credit cards; recording customer sales; creating receipts, invoices, and sales orders; issuing credits and refunds; memorizing and scheduling transactions; managing accounts receivable and payable; reconciling accounts; and performing year-end tasks. Instruction is provided also in the basics of payroll processing; customizing sales forms; preparing standard and customized reports; and personalizing QuickBooks® files for individual businesses.

Business Programs

Business Communications and Leadership Program

This business program is designed to help develop advanced leadership and communication skills. With an open enrollment policy, entry is possible any time during the year. The program is based on the proven Toastmaster© business communications curriculum, with the addition of a leadership track, coaching, and mentoring.

Start, Run, and Grow Your Business

Offered by the Lane SBDC in conjunction with Palo Alto Software and the Oregon Broadband Delivery Project; this 12-module interactive online program is designed for any business, whether start-up or established. It can be started at any time and is self-paced. Program includes online courses covering all aspects of a successful business. It provides direction in developing a professional business plan, through presentations, handouts, planning software, videos, and more. Confidential face-to-face or electronic business advising is a component of the program.

Business Management Programs

Signature small business management programs are designed to help business owners increase profitability and reach goals, through improved business management. Small Business Management and AgriBusiness Management are our signature programs. Other business management programs have been developed to reach specific groups.

Small Business Management (SBM) Program*

Over a three-year period, the Small Business Management Program covers management topics—through a customized curriculum—helping you identify and prioritize outcomes and devise a plan to achieve them. The result is: you get the tools and support you need to work smarter not harder. The SBM Program is a unique program in which your business is the textbook.

*Application, instructor approval, and deposit are required.

Small Business Management Year I: Foundations

The SBM Year I: Foundations runs fall through spring terms with 15 classroom sessions offered twice a month, as well as one-on-one

personalized coaching sessions once a month. The one-on-one coaching is designed to fast-track implementation of key concepts and provides the small business owner with access to a professional business consultant. Owners will benefit from classroom sessions, by learning from seasoned entrepreneurs. SBM Year I consists of the three modules listed below:

- SBM Marketing Foundation Module 1 This marketing
 module focuses on all aspects of marketing, with the goal of
 each business finishing with a marketing plan they can execute.
 Class topics include: value proposition, features and benefits,
 customer stages, marketing 101, building a plan, image and
 branding, internet, social media, email marketing, and personal
 selling skills and strategies.
- SBM Financial Foundation Module 2 This financial module focuses on financial statements, accounting, financing and cash-flow budget. Class topics include: accounting concepts, introduction to financial statements, understanding break-even and margins, cash-flow management, pricing, budgeting, taxes, working with accountants, and trends.
- SBM Operations Foundation Module 3 Having a plan and executing that plan is what this module is all about. It is focusing on employee issues, goal setting, customer service strategies, and more. Each business will finish the module with a plan for managing workflow both in the short-term and in their future growth model. Class topics include: setting and achieving goals, planning, time management; customer service strategies; wealth building; legal and insurance issues; employee basics, recruitment and management; operational manuals: and team building.

Small Business Management Year II: Systems

The SBM Year II Systems focuses on growing your business through understanding, creating, and implementing systems within your business. SBM Year II is designed for businesses with at least one full-time staff (owner/operator ok). 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; and class customized topics. Acceptance in the program is based on instructor approval. SBM Year II: Systems is a series of 10 monthly classes, with personalized one-on-one coaching, using your business as the textbook.

Small Business Management Year III: Advanced Concepts

Continuing the unique combination of 10 monthly classroom sessions and one-on-one personal coaching, businesses work on mastering the earlier concepts while fine-tuning their operation with new material. SBM: Advanced Concepts is designed for businesses that have completed the SBM: Systems class. Class topics include: workplace profiles and facilitation skills; sales management; board of directors; sustainability, job costing; budgeting processes; risk management; exit strategies; and a large number of customized topics based on class member interest. Qualified third-year business owners will receive a certificate of recognition.

Small Business Management Alumni Program

This continuing education and support program is open only to graduates of the three-year SBM program. Alumni members can drop into any current SBM session, get additional one-on-one business coaching, plus attend the annual "Alumni Only Business Roundtable." This is the best way for SBM graduates to keep their skills fresh, their contacts growing, and their business on the right path.

Other Business Management Programs

Small Business Management Program for ODOT Contractors (ODOT SBM)*

This program is offered by the SBDC, in partnership with the Oregon Department of Transportation. The Small Business Management for ODOT Contractors Program includes nine 3-hour classes. Information is geared towards helping contractors understand the process of doing business with ODOT. Each class will be devoted to small business management topics, recognizing ODOT-specific issues, peer group discussions and one-on-one confidential business advising.

*Application, instructor approval, and deposit are required.

Veterans Small Business Management (V-SBM)*

This program is made possible through a grant from the Oregon Small Business Development Center Network and the SBDC. Veterans interested in building or growing their businesses can receive assistance through classroom training and personal one-on-one advising.

*Application, instructor approval, and deposit are required.

Farm and Garden Partnership

The OSU Extension/Lane Farms and Gardens Program and the SBDC's AgriBusiness Management Program partner to assist agricultural businesses achieve family and business goals. Topics include: improved management, organization, horticulture capacity, livestock management, and food preservation. This farm and garden partnership offers a variety of agricultural, horticultural, preservation classes and workshops for the business owner throughout Lane County.

AgriBusiness Management Program (ABM)*

The AgriBusiness Program provides education for agricultural owners, businesses, family members and key personnel. This business education ranges from startups to small and large operations. The program is designed to meet the specific needs of each operation and includes classroom instruction and on-site visits. Among the courses available are: starting and planning a new operation, budget development, record keeping and financial management (use of record keeping and spreadsheet software; business planning and goal setting; understanding cost of production; and financial analysis). Instruction also will cover sales and marketing; use of internet and social media, tax, wage, legal issues; and estate and succession planning.

*Application, instructor approval, and deposit are required.

Non-Profit Management Institute*

The Non-Profit Management Institute provides a full range of professional development programs for nonprofits in Lane County. The curricula, designed for nonprofit managers, directors, key staff, and volunteers, aids in improving governance and management skills. It ensures the successful and sustainable operation of organizations, and prepares for advancement. Significant features of the programs include: peer networking, help from advisors, access to extensive online resources, inclusion of multiple members from an organization, and opportunity to learn from guest speakers, who are experienced professionals. Ten hours of one-on-one advising is included with each program. Non-Profit programs run October through June.

*Application, instructor approval, and deposit are required.

Non-Profit Business Management Program

This is a nine-month program for directors and staff of organizations recently formed, or for individuals working in nonprofits less than five years. It is also suitable for board members and others new to nonprofits. The program focuses on the fundamentals of governance; operational policies and procedures; financial management and funding; volunteer programs; and marketing.

Advanced Non-Profit Business Management Program

This is a nine-month program for executive directors and staff of established nonprofits. The emphasis is on advanced governance and policy development; volunteer program development; program and service assessment; sustainable funding; donor development; grant writing; marketing; branding; and strategic planning. As an added benefit, the information is customized each year to meet the specific needs of participants. Additional staff or board members of participating organizations may attend relevant sessions at no additional cost.

Employer Training Services

Employer Training Services (ETS) assists businesses, organizations, and employers with customized employee training. Services are for any business or organization, from startup to well-established.

ETS works closely with an organization's staff to assess the specific needs of the company. Training focuses on the business' unique philosophy, culture, and values. Services are cost effective, innovative, led by expert instructors, and use quality curriculum with immediate results. Scheduling is flexible and held at your business location, or in one of the new smart classrooms, at LCC's Downtown Campus. You dream it—we deliver!

A Sampling of the Training Available:

- Basic/Advanced Job Skills and Certifications
- · Project, Process, and Time Management
- IT/Computer Training and Certification
- · Customer Service and Leadership
- · Safety, Compliance, and Regulatory
- · And much more!

ETS is located at LCC's new Downtown Campus Building, 101 West 10th Avenue, Ste. 304, Eugene. Contact Employer Training Services at 541.463.6200 or email employertraining@lanecc.edu.

Human Resources

A partnership was created with the Society of Human Resource Management, the Lane SBDC, and ETS to provide human resource management training to the Lane County area.

SHRM: PHR & SPHR Test Preparation Course

This course is designed for business owners, managers, and human resource professionals, as a preparation tool for the PHR or SPHR exam. Using the SHRM Learning System®, it aids in the comprehensive review, of the entire body of Human Resource knowledge, as tested by the Human Resource Certification Institute. Class is 36 hours, plus a six-hour sample test session (on one Saturday). It equals 4.5 CEUs and offers a SHRM certificate.

SHRM: Human Resource Essentials

This class is designed for entry-level HR professionals; small business owners and managers responsible for HR functions in their companies; and people looking into human resources as a

possible career. Knowledge of HR basics can improve on-thejob effectiveness, protect businesses from needless litigation, and advance individual careers. Participants receive 1.5 CEU's and a SHRM Certificate.

Leadership

Learning to Lead Series by AchieveGlobalTM

The Learning to Lead Series is offered jointly with AchieveGlobalTM, the SBDC, and Employer Training Services. This nationally recognized leadership certification series provides practical leadership skills for managers, employees, and business owners. It provides managers and potential managers with useful skills for optimizing employee engagement and meeting the expanding needs of their job. This interactive series focuses on situations that leaders face on a day-to-day basis. Participants will learn and practice the skills that increase productivity, strengthen relationships, and build leadership success. An AchieveGlobalTM certificate is given for successful completion.

Medical and Resuscitation Workshops

A variety of workshops are offered to the medical community each year.

Advanced Cardiac Life Support (ACLS) (Certification class for health care providers, nursing professionals, and paramedics)

ACLS is designed to provide American Heart Association (AHA) standards, cardiac knowledge, and psychomotor skills associated with the delivery of professional care of the cardiac patient. ACLS addresses the core knowledge necessary to evaluate and manage an adult victim of a cardiovascular emergency or cardiac arrest. Class structure includes lecture and hands-on skill stations, with written examination and satisfactory performance at the evaluation stations mandatory; according to AHA performance criteria.

Pediatric Advanced Life Support (PALS) (Certification class for health care providers, nursing professionals, and paramedics)

The PALS course was developed for training of health care providers who may be required to resuscitate children. It focuses on assessment of pre-arrest states and prevention of cardiopulmonary arrest in children. Class structure includes lecture and hands-on skill stations, with a written examination and satisfactory performance at the evaluation stations mandatory; according to AHA performance criteria. PALS Provider Manual and advance homework required.

Trauma Nurse Core Course (TNCC) (Certification class for nursing professionals)

ENA's TNCC provides ED and ICU RNs with core knowledge and skills to care for the trauma patient. This class includes airway management, initial assessment, helmet removal, multiple trauma interventions, spinal immobilization, and splinting. TNCC provider verification is valid for four years. Current RN License required for certification. Current copy of AHA TNCC card must be submitted with registration for the renewal course. Sixth Edition TNCC Provider Manual and advance homework required. Equals 14.42 CEU's/Core and 8 CEU's/Renewal.

Workforce Development

The Workforce Development Department is a grant funded department that focuses on job readiness, skill enhancement, and training for reemployment. It is located on Lane's main campus in Building 19 and can be reached at 541.463.5223 or *lanecc.edu lwdd/* The following services, programs, classes and workshops are free and open to the public as well as Lane students.

The Workforce Network The Workforce Network is the delivery of workforce development services to adults and dislocated workers in Lane County through a One-Stop career center system. The goal is twofold: 1) to assist with individual job search activities, and 2) to help build a skilled and educated workforce that can meet the needs of the contemporary workplace. The Workforce Network utilizes a consortium approach and is an alliance with the following Lane County agencies:

- · Oregon Employment Department
- · Department of Human Services
- · Lane Workforce Partnership

The Workforce Network provides state-of-the-art resources for the community through the following no-cost services:

- · Skills, abilities and interests assessments
- · Career exploration
- · Skill upgrading
- · Resume and cover letter development
- · Online job search and application
- · Job search workshops and seminars

- · Information on the local labor market and job openings
- · Information on community resources
- · Information on scholarships
- · Internet access to employment and training resources
- · Internet access to tutorials in basic skills
- · Basic classes in math and computer skills for the workplace

A monthly calendar schedule of current job search workshops and basic skills classes is available at the department website at lanecc.edu/wdd/

The Career Readiness Certificate (CRC)

The CRC is a nationally recognized certification that measures skills needed for the workplace, with certificates awarded at Bronze, Silver or Gold levels. Earning the CRC demonstrates that you have the skills needed by employers nationwide. CRC orientations, classes, access to courseware, and testing are available at no charge through the Workforce Development Department. Call 541.463.3217 for more information.

Brighter Futures Grant

Lane was one of eight community colleges nationwide selected in August 2009 for the Brighter Futures Grant, a project of the League for Innovation and the Walmart Foundation. This two-year demonstration project allows for expanded career development and advising, enhanced job search assistance, and follow-up services for dislocated workers who participate. Call 541.463.5861 for more information.

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 Wednesday evening of each month, normally in the Boardroom, Building 3, main campus. Additional meetings are held as needed.



Sharon Stiles, retired EEO officer, Florence, elected May 2009, term expires June 30, 2013 **Zone 1**–Western part of college district



Robert Ackerman, attorney, Eugene, elected July 1965, re-elected March 1969, elected July 1999, elected May 2007, reelected May 2011, term expires June 30, 2015 Zone 2–Northern part of college district



Gary LeClair, physician, Springfield, elected May 2009, term expires June 30, 2013 **Zone 3**–Marcola and Springfield part of college district



Susie Johnston, retired, Pleasant Hill, elected May 2005, re-elected May 2009, term expires June 30, 2013 **Zone 4**–Eastern part of college district



Pat Albright, retired teacher, Eugene, appointed April 2007, elected May 2007, reelected May 2011, term expires June 30, 2015 **Zone 5**–Central Eugene part of college district



Rosie Pryor, marketing and strategy officer, elected May 2011, term expires June 30, 2015 **At-Large**–Position 6



Tony McCown, education consultant, Eugene, elected May 2007, re-elected May 2011, term exires June 30, 2015 **At-Large**–Position 7

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.

- Mary Spilde, President; at Lane since 1995. Ph.D. Oregon State Univ.; M.Ed. Oregon State Univ.; B.S., L.L.B. Univ. of Ediphurgh
- Kate Barry, interim Executive Dean, Student Affairs; at Lane since 1977. Ph.D. Oregon State Univ.; M.A. Univ. of Oregon; B.A. Newcastle Univ.
- Don McNair, Executive Dean, Academic Affairs Transfer; at Lane since 1982. M.S. Univ. of Oregon; B.S. Univ. of Oregon
- Dawn DeWolf, Executive Dean, Academic Affairs Career Technical; at Lane Since 2003. M.ED. Oregon State Univ.; B.S. Eastern Montana College
- Greg Morgan, Chief Financial Officer; at Lane since 2006. M.S. Univ. of Southern California; B.S. Brigham Young Univ.
- **Dennis Carr,** Chief Human Resource Officer; at Lane since 2003. M.S.I.R. Univ. of Oregon; B.S. Hiram College
- Bill Schuetz, Chief Information Officer; at Lane since 2011.
 Ph.D. Claremont Graduate Univ.; M.S. Claremont Graduate School; B.S. Univ. of Washington

Emeriti

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.

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:

- Serilda Summers-McGee, Portland
- Angela Bowen, Coos Bay
- Gerald Hamilton, Klamath Falls
- · Artemio Paz, Jr., Springfield
- · Duncan Wyse, Portland
- · Samuel Henry, Portland

State Department of Education administration includes:

- Susan Castillo, State Superintendent of Public Instruction
- Cam Preus, Commissioner, Department of Community Colleges and Workforce Development

Lane Community College Budget Committee

The Budget Committee analyzes the administration's annual budget proposal. The 2011-2012 Budget Committee includes the Board of Education and the following members:

- Jacque Betz, term expires 2015, City Manager, Florence
- Jennifer Harris, term expires 2015, Chief Financial Officer, Springfield
- · Matt Keating, term expires 2015, Campaign Manager, Eugene
- Carmen X. Urbina, term expires 2013, school district family and community coordinator, Eugene
- Chris Matson, term expires 2013, Marketing and Political Consultant, Eugene
- Amy Callahan, term expires 2015, Executive Director, Cottage Grove
- Kevin Cronin, term expires 2014, Community Organizer, Springfield

Advisory Committees

More than 600 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 practices in the world of work and to employment opportunities.

All of the college's career technical programs, as well as most non-credit programs, have advisory committees. The college also has advisory committees for programs and services such as KLCC, English as a Second Language, and Small Business Management.

The Career Technical 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 Academic and Student Affairs.

Lane Community College Foundation

The Lane Community College Foundation raises and invests funds for scholarships, programs and capital needs.

Program 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 40,000 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 East 30th Avenue, Eugene, OR 97405. Call 541.463.5226 for more information on how you can help. If you are interested in applying for a scholarship, visit *lanecc.edulfoundation*.

Staff

For fall term 2012, Lane employed 1,160 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/ESL/ Tutoring

Lindsley, Catharine D. Dean; B.A. Lewis & Clark Col.; Ed.M. Oregon State Univ.

Coleman, Liz E. B.A. Univ. of Oregon; Ed.M. Oregon State Univ.

Gayle-Reddoor, Susan C. B.A. Univ. Calif Riverside; M.A. Univ. Calif Riverside

Johnston, Stephen D. B.A. Univ. Mass Boston; M.A. Univ. of Oregon

McKenzie, Judith C. B.A. Evergreen State Col.; M.A. Goddard Col.

McQuiddy, Stephen J. B.A. Univ. of Oregon; M.F.A. Univ. of Oregon

Mitchell, Adrienne C. B.A. Univ. of Oregon; M.A. Univ. of Oregon; M.Ed. Univ. of Oregon

Pray, Elaine V. A.A. Canada Col.; B.A. San Francisco State Univ.; M.A. San Diego State Univ.

Adult Basic and Secondary Education

Gaudia, Amy B.S. Buffalo State Clg (Suny); B.S. Univ. of Oregon; M.A. Pacific Univ.

Hemsoth, Gail L. B.A. Heidelberg Col.; M.S. Univ. of Oregon

Jackson, Patricia J. B.A. Washington State Univ.; M.Ed. Oregon State Univ.

Kent, Leonora T. B.A. San Francisco State Univ.; M.Ed. Univ. of Oregon; Teaching Engl Speakr Othr Lang; Elem Education Teaching Cert

Lamoreaux, Alice A. B.A. Univ. of Oregon; M.S. Univ. of Oregon

Niles, Aliscia M. M.A. Univ. of Oregon; Teachng Engl Speakr Othr Lang

O'Brien, James S. B.S. Univ. of Oregon

Pardew Grutta, Christine E. B.A. Mcdaniel Col.; M.A. Univ. Maine Orono

Pfaff, Julie A. B.S. Marquette Univ.; M.Ed. Univ. of Oregon

Schaefer, Karen L. B.A. Seattle Pacific Univ.; Ed.M. Oregon State Univ.

Young, James K. B.A. Rice Univ.

Advanced Technology Division

O'Connor, Patrick Dean; B.A. Univ. of California, Irvine; M.A. Univ. of Idaho; Ph.D. Univ. of Oregon

Bergen, Dean E. ASE Cert Master; 3M Dupont Certificate; Cert Chart Frame Equipment; Cert John Bean Steering/ Suspen; Cert I.C.A.R. Instructor; Auto Ref/Col. - Shop Mgr; Cert Glasurit and Diamont

Bridges, Jon H. B.A. St Marys Col. Ca; FAA Private Pilot Single Land; USAF Flight Engineer C5/C130

Caffey, Stephen P. A.A.S. Lane Community College

Clark, Alan B. A.S. Lane Community Col.; CAT/Cummins/Detroit Eaton Svc; Journeyman; ASE Cert Master, Truck

Dale, Terry R. A.S. Spartan School Aeronautics; B.S. San Jose State Univ. Huntington, Mark M. C.E.R.T.1. Pinellas Tech Ed Ctr-Clearwate; M.S. Eastern Washington Univ.

Keen, Leonard R. OR Carpenter Apprenticeship; Journeyman

Laskey, Allen L. A.S. Lane Community Col.; AWS Certified Welder; Cert Prod and Inventory Mgmt; ASME Certified Welder; AWS Cert Welding Instructor; AWS Cert Welding Educator

Mathers, Kelly D. ASE Cert Master; ASE Cert Master Auto Tech

Riordon, Egan A. A.A. Lane Community Col.; ASE Cert Master

Robertson, Margaret E. B.L.A. Univ. of Oregon; M.L.A. Univ. of Oregon

Tayler, Dennis Cert I.C.A.R. Instructor

Webb, Steven A. C.E.R.T.1. Lane Community Col.; A.A.S. Lane Community Col.; CAT/Cummins/Detroit Eaton Svc; ASE Cert Master Med/Hvy Duty T

Weiss, Doug O. A.A. Palomar Col.; A.S. Schoolcraft Col.; CET Intl Society of Elect Tech

Arts Division

Williams, Rick R. Dean; B.S.J. Univ. of Texas - Austin; M.A. Univ. of Texas - Austin

Bird, Jeffery S. B.S. Col. St Rose; M.F.A. Univ. Mass Amherst; M.A. Suny Col. Oswego

Grosowsky, Adam B.A. Evergreen State Col.; M.F.A. Univ. Iowa; M.A. Univ. Iowa

Hughes, Teresa B. B.S. Univ. of Oregon

Imonen, Lee C. B.A. Willamette Univ.; M.F.A. Univ. of Oregon

Keene-Wilson, Meredith A. A.A. Orange Coast Col.; A.A.S. Lane Community Col.

Lowdermilk, Susan K. B.F.A. Colorado State Univ. Ft Col.ins; M.F.A. Univ. of Oregon Motouji, Satoko B.A. Univ. of Oregon; B.A. Ritsumeikan Univ.; M.F.A. Univ. Mass Amherst

Salzman, Andreas C. B.S. Univ. Wisc Stevens Point; M.F.A. Univ. Minnesota Minneapolis

Simms, Merrick L. B.A. Calif St Univ. East Bay; B.F.A. Univ. of Oregon; M.F.A. Univ. of Oregon

Vander Schaaf, Elizabeth B.A. Univ. of Oregon; M.A. Univ. of Oregon

Aviation Academy

Boulton, Stephen A. Director; M.Div. Emmanuel School of Religion

Gallagher, Neal B.A. Albertus Magnus Col.; FAA InspectionAuthorization; FAA Airframe and Powerplant licenses; FAA Certified Flight Instructor with Instrument and Multi-Engine privileges

Lancaster, Paul B.A. Wheaton Col.; M.A. George Fox Col.; FAA Certified Flight Instructor; FAA CFI-Instrument, MEI, Airline Transport Pilot, B-737 Type Rating

Lowenkron, Laurence H. B.S. Humboldt State Univ.; FAA Comm Pilot Single Sea; FAA Airframe and Powerplant; Cert Professional Engineer; FAA Comm Pilot Glider; FAA Com Pilot Sgl Eng Lnd Inst

Moore, Herbert Automotive Cert. DeAnza Col.; Auto/Aviation/ Gen. Ed. Cert. Lane Community Col.; F.A.A. Airframe and Powerplant License

Stapley, Mathew UH-1N Power Trains and Rotors; Pratt and Whitney T400-CP400 (PT6-T) Twln Pac Power Plant School; Gen. Ed. Irvin Col.; B.S. Southern Illinois Univ.

Business

Scott, Lawrence R. Interim Dean; B.S.C. Univ. of Victoria - Canada; B.S.C. Univ. of Victoria - Canada; M.A. Antioch Univ. -Yellow Springs

Boozer, Judy A. B.A. Idaho State Univ.; M.S.T. Portland State Univ.

Culver, Christopher D. B.S. Univ. of Oregon; M.B.A. Univ. of Oregon; Certified Public Accountant

Grant-Churchwell, C C. B.S. San Jose State Univ.; M.S. San Jose State Univ.

Kimble, Sharon R. B.S. Westrn Carolina Univ.; B.S. Westrn Carolina Univ.; M.Ed. Westrn Carolina Univ.

Rudnick, David B.S. Clarion Univ. of Pennsylvania; M.S. Emporia State Univ.; M.Ed. Univ. of South Florida

Information reflects Human Resource records as of February 2013

Child and Family Education

Bishop, Jean M. B.A. Eastern Washington Univ.; M.A. Univ. of Oregon

Hickey, Beverly J. B.S. Univ. Calif Davis; M.A. Stanford Univ.; Elem Education Teaching Cert; Bilingual Spanish/English

Lloyd, Kathleen M. B.A. Lewis & Clark Col.; M.Ed. Univ. of Portland; Ph.D. Oregon State Univ.

Computer Information Technology

Scott, Lawrence R. Interim Dean; B.S.C. Univ. of Victoria - Canada; B.S.C. Univ. of Victoria - Canada; M.A. Antioch Univ. -Yellow Springs

Bailey, James L. B.S. Oregon State Univ.; M.S. Brigham Young Univ. Utah; Ph.D. Oregon Health Sci Univ.

Bird, Brian B.S. Portland State Univ.; M.A. Univ. of Oregon

Bricher, Gary P. B.S. Univ. of Oregon; B.S. Univ. of Oregon; M.S. Univ. of Oregon; Cisco Certified Network Assoc

Colton, Joseph W. B.S. Brigham Young Univ. Hawaii; M.S. Univ. of Oregon

Good, Marilou B.S. Univ. Minnesota Minneapolis; M.S. Univ. of Oregon

Little, Ronald K. B.S. Montana State Univ. Bozeman; M.S. Portland State Univ.

Wilkins, Paul C. M.S. Oregon State Univ.

Cooperative Education

Clemons, Marvin L. B.S. Univ. of Wisconsin Marshfld WD; M.S. Univ. of Oregon; Sec Principal/Superintendent

Fike, Charles E. B.A. Northwest Christian

Kelsch, Jamie L. A.A.S. Lane Community Col.; A.G.S. Lane Community Col.; B.S. Linfield Col.

Meenaghan, Gerald T. B.A. Univ. of Oregon

Pinkas, Tamara L. B.A. Univ. Calif Santa Cruz; M.S. Univ. of Oregon

Watrous, Merrill K. B.A. Scripps Col.; B.A. Occidental Col.; M.Ed. Santa Clara Univ.

Counseling

de Leon, Jerry F. Dean; B.A. Univ. Colorado Boulder; M.A. Adams State Col.

Shipp, Susan H. Assistant Dean; B.A., Univ. of Colorado, Boulder; M.A., Univ. of Colorado, Denver

Alvarado, Jessica S. A.A.S. Lane Community Col.; A.A.S. Portland Community Col.; B.S. Univ. of Oregon; M.S. Univ. of Oregon

Barber, Michele R. A.A. Truckee Meadows Community Col.; B.A. Univ. of Nevada, Reno; M.A. Univ. of Nevada, Reno

Ganser, Debra J. B.S. Univ. of Oregon; M.S. Univ. of Oregon; National Certified Counselor

Hampton, Anthony A.A. Chabot Col.; B.A. Univ. Texas Pan American; M.Ed. Univ. Texas Pan American **Harris, Mark C.** B.A. Sonoma State Univ.; M.A. Sonoma State Univ.

Landy, Beth S. B.S. Cal Poly - San Luis Obispo; M.S. Univ. of Oregon; National Certified Counselor

Litty, Carolyn L. B.S. Univ. Calif San Francisco; M.S.N. Univ. Calif San Francisco; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon; Cert Licensed Prof Counselor; Psychiatric/Ment Health N Prac; National Certified Counselor; Marriage and Family Therapist; Mental Health Nurse

Salter, Christina L. B.A. New Clg - Univ. South Florida; M.S. Univ. of Oregon; National Certified Counselor; Cert Licensed Prof Counselor

Siegfried, Jill B.A. Wittenberg Univ.; M.S. Oregon State Univ.

Smyth, Douglas A. B.A. Depaul Univ.; M.Div. Mc Cormick Theol Sem-Chicago; Ph.D. Univ. of Oregon; Licensed Psychologist

Solomon, Marva D. B.A. CUNY Queens Col.; M.S.W. CUNY Hunter Col.

Soriano, Leslie C. M.S. Calif St Univ. East Bay

Culinary Arts and Hospitality

Aherin, Lisa S. B.S. New Mexico St Univ.; M.Ed. Col. of Santa Fe; Ph.D. Univ. of Idaho

Crosthwaite, Christopher Cert Executive Chef, ACF; Cert Exec Pastry Chef, ACF; Cert Culinary Educator, ACF

McCully, Joe B.S. Univ. of Denver; M.S. Florida International Univ.; Cert Hospitality Educator, AHM

Wanstall, Clive B. Dipl. Thanet Technical Clg; Cert Cookery London Inst; Cert Basic Cookery London Inst; Cert Executive Chef, ACF

English as a Second Language

Bakshi, Indira M. B.S. Purdue Univ. West Lafayette; M.A. Univ. of Texas - Austin

Henninger-Willey, Tracy L. B.A. Northwstrn Col.; M.A. Univ. Iowa

Johnson, Norman A. Dipl. Regent Clg - Br Columbia; B.A. Seattle Pacific Univ.; M.A. Univ. of Oregon

Seifert, Christine A. B.A. Univ. Calif Davis; M.Ed. Oregon State Univ.

Todd Le Douarec, Annick M. B.A. Univ. of Oregon; M.A. Univ. of Oregon; M.B.A. Univ. of Phoenix

Health & PE

Bates, Rodger D. Dean; B.S. Boise State Univ.; M.Ed. Oregon State Univ.

Cousar, Susie J. A.A. Butte Clg-Oroville; B.A. Calif St Univ. - Chico; M.S. Oregon State Univ.; CPR/AED/Oxyg Admin, ARC; First Aid Instructor Cert; CPR Certified

Gaul, Shannon I. B.A. Adrian Col.; M.S. Univ. Toledo; Licensed Massage Therapist

Hastie, Marisa L. B.S. Gonzaga Univ.; M.S. Univ. of Oregon; Ed.D George Fox Univ. **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. Univ. of Oregon; M.S. Oregon State Univ.

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. Univ. of Oregon; ACSM Cert Exercise Specialist; Licensed Massage Therapist; Cert Wellness Coach

Thompson, Susan J. A.A. Los Angeles City Col.; B.A. Calif St Univ. Los Angeles; M.A. Calif St Univ. Los Angeles

Weissfeld, Lynne R. B.S. Univ. of Oregon; M.S. Univ. of Oregon

Health Clinic

Arbuckle, Kathleen M. B.A. Oregon State Univ.; B.S.N. Oregon Health Sci Univ.; M.N. Oregon Health Sci Univ.; Registered Nurse; F.N.P.

Kilmer, Dorothy O. B.S.N. Univ. of Utah; M.N. Univ. of Utah; F.N.P.

Wilkes, Nadine D. A.A. Univ. Kentucky Lexington; B.S. Univ. St Francis II; Registered Nurse

Health Professions

Blickle, Thomas P. A.A.S. Portland Community Col.; B.A. Univ. of Oregon; M.S. Oregon Health Sci Univ.; Cert Hospice & Palliative Care; Registered Nurse

Brokaw, Thomas R. A.A.S. Lane Community Col.; Oregon EMT Paramedic; NAEMT Prehospital Trauma LS In; Advanced Life Support Instruct; CPR Certified

Canale, Suzanne B.S.N. Plattsburgh State Univ.; M.S. Univ. of Oregon; M.N. Oregon Health Sci Univ.; Registered Nurse

Catlin, Toby A.A.S. Lane Community Col.; B.S.N. Oregon Health Science Univ.

Clark, Leslie W. A.A.S. Clark Col.; B.S. Concordia Univ.; M.Ed. Concordia Univ.

Cummins, Michelle R. A.A.S. Lane Community Col.; B.S. Oregon Institute of Technology; Registered Dental Hygenist

Driscoll, Norma L. A.S. Lane Community Col.; B.S. Linfield Col.; R.R.T.; R.C.P.

Hagan, Sharon S. B.S. Idaho State Univ.; M.S. Westrn Kentucky Univ.; Registered Dental Hygenist

Hage, Boo B.S. Portland State Univ.; M.S.N. Univ. of Phoenix

Harcleroad, Jeanne E. B.S.N. Univ. Iowa; M.S.N. Univ. Calif San Francisco; Psychiatric/Ment Health N Prac

Howard, Christina B.S. Univ. Of California Los Angeles; M.P.T. Univ. of California, San Francisco/San Francisco State Univ.; Licensed Physical Therapist

Kavanaugh, Rita S. A.A.S. Diablo Valley Col.; B.A. Calif St Univ. East Bay; Registered Dental Hygenist; Bilingual Spanish/English

Kelsay, Patricia K. B.S.N. Univ. of Oregon Health Sciences Center; M.A. Pacific Univ.

Information reflects Human Resource records as of February 2013

Killen, Janet L. A.S. Grossmont Cmtv Col.; A.A.S. Saddleback Col.; B.S.N. Oregon Health Sci Univ.; M.S.N. Liberty Univ.

Lynch, Mary Lou L. B.S.N. Mount St Marys Col. Chalon; M.N. Oregon Health Sci Univ.; Registered Nurse

Mc Donald, Shari A. A.S. San Diego City Col.; B.S.N. Oregon Health Sci Univ.; M.S.N. Walden Univ. - Minneapolis; Registered Nurse

McCready, Douglas C. A.S. Lewis & Clark Col.; M.N. Univ. of Utah

McHugh, Maggie B.S.N. Idaho State; M.S.N. Univ. of Phoenix

Miller, Denise K. B.S.N. Pacific Lutheran Univ.; M.A.T. Evergreen State Col.

Navlor, Elizabeth H. B.A. Univ. Colorado Boulder; M.S. Univ. Wisc Stout/ Menomonie; Registered Dietician

Novicky, Liz A.A.S. Excelsior Col.; B.S.N. Excelsior Col.; M.S.N. Regis Univ.

Pittman, Martha E. A.A.S. Excelsior Col.; C.M.A.; Registered Nurse

Powell, Tamberly M. M.S. Oregon State

Rickerl, Kellee A.A.S. Victor Valley Community Col.; B.A. Chapman Univ.

Roders, Susan B. A.A. Pasadena City Col.; B.S.N. Mount St Marys Col. Chalon; M.S. Oregon Health Sci Univ.

Swett, Katherine C. B.S.N. Univ. lowa; M.S. Oregon Health Sci Univ.; Registered

Thorpe, Beth Ann A.A.S. Univ. of Evansville; B.S. Univ. of Gransville; Physical Therapist Assistant

Tiel, Bren A. A.A.S. Portland Community Col.; B.S.N. Walla Walla Col.; M.N. Univ. Calif Los Angeles; Registered Nurse

Tully, Tricia G. B.S.N. Northrn Illinois Univ.; M.S. Troy State Univ. Montgmry

Ulrich, Susan K. B.S.N. Oregon Health Sci Univ.; M.N. Oregon Health Sci Univ.

Wallace, Sarah B.S.N. Lewis Clark State Col.; M.S.N. Walden Univ. School of Nursina

Welch, Janet S. B.S.N. Univ. Minnesota Minneapolis; M.N. Univ. Minnesota Minneapolis; M.N. Univ. of Minnesota-Sch Medicine; Registered Nurse

Williams, Shelley K. A.A.S. Lane Community Col.; B.A. Northwest Christian Univ.

Institute for Sustainable Practices

Ebbage, Roger A. B.A. San Francisco State Univ.; M.A. San Jose State Univ.

Institutional Research, **Assessment and Planning**

Taylor, Craig H. Dean: B.S. Univ. Washington; M.B.A. Univ. of Oregon; Ph.D. Univ. of Oregon

Brau, Mary L. B.A. Univ. Washington; M.S. Univ. Tennessee Knoxville

of Oregon

Wilson, David Molloy M.S. Univ. of Oregon

Language, Literature, and Communication

Carkin, Susan J. Dean: B.A. Southrn Illinois Univ. Carbndle: B.A. Southrn Illinois Univ. Carbndle; M.A. Univ. of Oregon; M.A. Utah State Univ.; Ph.D. Northrn Arizona Univ.

Almquist, Karin B.A. Univ. of Oregon; M.A. Univ. of Oregon; Ph.D. Univ. of Oregon

Bayless, Margaret A. B.A. Idaho State Univ.; M.S. Portland State Univ.; M.A. Univ. of Oregon; Ph.D. Univ. of Oregon

Beasley, Amy B.A. Gettysburg Col.; M.A. Washington State Univ.

Breaden, Barbara L. B.A. Univ. Illinois Urbana; M.A. Univ. Illinois Urbana

Bunker, Suzanne L. B.S. Eastern Oregon Univ.; M.S. Univ. of Oregon

Chaves, Hernando J. B.A. Western Washington Univ.; M.F.A. Univ. of Oregon

Cusimano, Roma R. B.A. Oregon State Univ.; B.S. Univ. Wisc Madison; M.A. Univ. of Oregon

Frasier, Crosby J. B.A. Ambassador Clg-Big Sandy; M.A. Univ. Louisiana Monroe

Harrison, Jeffrey D. B.A. Duke Univ.; M.A.T. Duke Univ.; Ph.D. Univ. of Oregon

Jensen, Sandra M. B.A. Univ. Washington; M.A. Calif St Univ. Fullerton; Bilingual Spanish/English

Krumrey-Fulks, Karen S. B.A. Southrn Utah Univ.; M.A. Univ. Kentucky Lexington; Ph.D. Univ. Kentucky

Luke, Matthew M. B.A. San Diego State Univ.; M.A. Univ. of Oregon

Lushia, Sarah B.A. State Univ. of New York; M.A. Illinois State Univ.; Ph.D. State Univ. of New York

Matalon-Florendo, Sylvie B.A. Univ. Sorbonne Nouv - Paris Iii; B.A. Univ. Sorbonne Nouv - Paris Iii; M.A. Univ. of Oregon

McDonald, Michael B. M.A. Univ. of Oregon; Ph.D. Univ. of Oregon

McGrail, Anne B. B.A. Univ. Mass Boston: M.A. Suny Buffalo; Ph.D. Suny Buffalo

Navnaha, Siskanna B.A. Boise State Univ.; M.A. Boise State Univ.; Ph.D. Washington State Univ.

Rosenberg, Hyla B.A. Sch For International Trng; M.S. Portland State Univ.; Cert Engl Lang Teaching Adults

Shitabata, Russell H. B.A. Univ. Hawaii Manoa; M.A. Univ. of Oregon; Ph.D. Univ. of Oregon

Stefanovska, Bojana B.A. Univ. of Grenoble; M.A. Univ. of Grenoble

Sullivan, Barbara T. B.A. Antioch Univ.-Yellow Springs; M.F.A. Univ. of Oregon

Sullivan, Kate E. B.A. Minnesota State Univ. Moorhead; M.A. Northeastern Univ.; Ph.D. Univ. of Oregon

Thompson, Eileen M. B.A. Univ. Puget Sound; M.A. Univ. of Oregon; Ph.D. Univ. Tullis, Lynn B. B.A. Colorado Col.; M.A. Portland State Univ.; Ph.D. Univ. of Oregon

Viles, Andrew M. A.S. Blue Mountain Community Col.; B.A. Oregon State Univ.; M.F.A. Univ. of Michigan-Ann Arbor; Ph.D. Univ. of Oregon

Von Ammon, Jennifer L. B.A. Florida State Univ.; M.A. Florida State Univ.; Ph.D. Florida State Univ.

Woolum, Bill A.S. North Idaho Col.; B.A. Whitworth Col.; M.A. Univ. of Oregon

Zimmerman, Kenneth S. B.A. Oberlin Col.; M.F.A. Univ. of Oregon

Library

Doctor, David L. B.A. Univ. Puget Sound; M.L.S. Univ. Washington

Ferro, Jennifer A. B.A. Univ. of Arizona; M.L.I.S. Univ. of Texas - Austin

Klaudinyi, Jennifer M.

Macnaughtan, Donald T. B.A. Univ. of Auckland; M.A. Univ. of Auckland; M.L.S. Victoria Univ. of Wellington

Mathematics

Hledik, Kathryn Dean; B.A. Oregon State Univ.; M.A. Univ. of Oregon

Green, Dale E. B.A. Univ. of Oregon; M.A. Oregon State Univ.

Hill, Benjamin L. B.A. Univ. North Dakota Grand Forks; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Holton, Kristina L. M.S. Oregon State

Hsiao, Berri B.S. Univ. of Oregon; M.S. Montana State Univ. Billings; M.S. Univ. of Oregon

Kirkpatrick, Vicky R. B.S. Univ. of Oregon; M.S. Oregon State Univ.

Knoch, Jessica R.

Kovcholovsky, Michel P. B.A. Univ. of Oregon; M.S. Univ. of Oregon

Martinek, Angela B. B.S.M.E. Univ. Vermont; M.S. Univ. Vermont; M.S.M.E. Univ Vermont

Miner, Catherine A. B.S.M.E. Mass Institute Technology; B.A. Wellesley Col.; M.S. Univ. of Oregon

Moore, Philip E. B.A. Harvard Univ.; M.S. Univ. Iowa

Murphy, Deanna J. B.A. Temple Univ.; M.S. Portland State Univ.

Peck, Arthur M. B.S. Muhlenberg Col.; M.S. Univ. of Oregon

Rajabzadeh, Ahmad B.S. Eastern Washington Univ.; M.S. Oregon State

Selph, Stephen L. B.S. Trinity Univ.; M.S. Northwstrn Univ.

Smith, Gayle L. B.S. Univ. Illinois Chicago; M.S. Eastern Washington Univ.

White, Karen L. B.A. Colorado Col.; M.S. Univ. of Oregon

Music, Dance and Theatre Arts

Bertucci, Ronald K. B.A. Univ. of Oregon; M.M. Univ. of Oregon

Information reflects Human Resource records as of February 2013

Haimbach, Brian P. Ph.D. Univ. Georgia Athens

McManus, Edward C. B.M. Univ. of Oregon; M.M.Ed. Univ. of Oregon

Myrick, Barbara B.M.E. Montana State Univ. Bozeman; M.M. Univ. of Oregon; M.A. Eastman Sch of Music-Rochester; D.M.A. Univ. of Oregon

Simoa Reid, Bonnie L. B.A. Calif St Univ. - Chico; M.F.A. Mills Col.; Cert Continuum Movement Instr

Watanabe, Hisao B.M. Roosevelt Univ.; M.M. New England Conservatory Music

Science

Ulerick, Sarah L. Dean; B.A. Harvard Univ.; Ph.D. Univ. of Texas - Austin

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. Univ. of Oregon; Ph.D. Univ. of Oregon

Gilbert, Dennis D. B.S. Calif St Univ. Fresno; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Holmes, Susan E. B.S. Oregon State Univ.; M.L.A. Univ. of Oregon

Kiser, Stacey L. B.S. Oregon State Univ.; M.S. Univ. of Oregon

Morrison-Graham, Kathleen B.S. Univ. Calif Davis; Ph.D. Univ. Calif Los Angeles

Mort, Gary E. B.S. Southern Oregon Univ.; A.B.D. Univ. of California Davis

Newell, Carrie L. B.S. South Dakota State Univ.; B.S. Southrn Utah Univ.; M.S. Northrn Arizona Univ.

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Swank, Stanton R. B.S. Cal Poly - San Luis Obispo; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon **Taylor, Brooke E.** B.S. Univ. of Oregon; M.S. Univ. of Oregon

Thompson, John E. B.S. Westmont Col.; M.S. Univ. Colorado Boulder; Ph.D. Univ. of Oregon

Young, Douglas M. B.A.S. Univ. Calif. Davis; M.S. Univ. of Oregon

Small Business Development Center and Employee Training

Lindly, James L. Dean; B.S. Univ. of Oregon; M.B.A. Univ. of Oregon; Charterd Prpty Casualty Undwtr; Cisco Certified Design Assoc

Social Science

Murdoff, Kenneth Dean; B.A. San Francisco State Univ.; M.A. San Francisco State Univ.; Ph.D. Univ. of Oregon

Adams, Cynthia B.A. Calif St Univ. Long Beach; M.A. Calif St Univ. Long Beach; Ph.D. Wayne State Univ.

Anderson, Jody L. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Benjamin, Jane E. B.S. Univ. of Oregon; M.S. Univ. of Oregon

Borrowdale, Jeffrey B.A. Calif St Univ. Sacramento; M.A.C.Phl. Univ. Calif Santa Barbara

Broderick, Sheila N. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Burrows, William H. B.S. Southern Oregon Univ.; M.S. Southern Oregon Univ.

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Gilds, Kendra S. B.S. Carnegie Mellon Univ.; M.S. Univ. of Utah

Helzer, Margaret M. A.S. Penn State Univ./Mont Alto; B.S. Univ. of Oregon; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Leung, David W. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Martinez, Philip R. B.A. Univ. Calif Irvine; M.A. Univ. Calif Berkeley; M.A. Univ. Calif Riverside **Oldham, Garry A.** B.S. Univ. of Oregon; M.S. Univ. of Oregon

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Samano, Michael L. B.A. Univ. of Oregon; M.A. Univ. Calif Davis; M.A. Humboldt State Univ.; Ph.D. Oregon State Univ.

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Taylor, Stan N. B.A. Univ. Kansas; M.A. Univ. of Oregon; L.L.M. Georgetown Univ.-Law Ctr; J.D. Univ. of Pacific/Mc George Law; Ph.D. Univ. of Oregon

Williams, Suzanne L. B.S. Grand Valley State Univ.; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Student Life and Leadership Development

Delansky, Barbara L. Dean; B.S.E. Suny Col. Cortland; M.S. Indiana Univ. Bloomington; Ph.D. Univ. of Oregon

Evans, Gregory A. B.S. Myers Univ.; M.Ed. Oregon State Univ.

Garcia, James S. B.S. Univ. of Oregon

Torch

Wearne, Dorothy R. B.S. Univ. of Oregon; M.S. Univ. of Oregon

TRiO

Parthemer, Mary S. Dean; A.A.S. Whatcomm Community Col.; B.A. Western Washington Univ.; M.S.W. Arizona State Univ.; LicensedClinical Social Worker

McKiel, Carol Director, B.S. Indiana Univ.; M.S. Northeastern State Univ.; Ph.D. Oregon State Univ.

Women's Programs

Di Marco, Cara E. B.A. Univ. of Oregon; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Information reflects Human Resource records as of February 2013



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Burley, Hali B.A. San Francisco State Univ; M.A. Oregon State Univ.; Graduate Cert. TESOL, Oregon State Univ.

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McLain, Barbara L. B.A. Univ. of Oregon; M.A. Western Oregon Univ.

Murrell, Richard J. B.S. Univ. of Oregon; M.A. Pacific Univ.; M.S. Troy State Univ. Troy

Myers, Karen D. B.A. Univ. of Guelph - Ontario; M.A. Univ. of Oregon

Nissila, Phyllis M. B.A. George Fox Univ.; M.A. Calif. State Univ. Dominguez Hills

Perkins, Megan A.A. Lane Community Col.; B.S. Univ. of Oregon; M.Ed. Oregon State Univ. Corvallis;

Roshak, Jessica L. B.A. Boston Univ.; M.A. Univ. Pennsylvania Undrgrd Adm

Schweigert, Cynthia J. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Sposato, Robert J. B.S. Univ. Bridgeport; M.Ed. Univ. Vermont

Summers, Leroy M.Ed. Oregon State Univ.

Warner, Alice L. B.A. Yale Univ.; J.D. Boston Univ.; M.A.T. Western Oregon Univ

Wight, Sherrill C. B.S. Brigham Young Univ. Utah; M.A. Univ. of Utah

Adult Basic and Secondary Education

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Lewman, Cheryl S. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Mason, Teresa E. B.S. New Mexico Inst Mining & Tech; M.Ed. Univ. of Oregon

Monroe, Anne S. B.S. Univ. Wisc Madison

Parrish, John E. B.A. Univ. San Francisco; M.A. Univ. San Francisco

Schlichtmann, Daniel P. A.A. Col. of Marin; B.A. San Francisco State Univ.; M.A. Oakland Univ.; M.A. Univ. of Oregon

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Advanced Technology Division

Babson, James N. B.A. Cornell Univ. Baker, Alan A.S. Lane Community Col.; B.S. Northwest Christian Univ.

Call, Daniel L. B.S. Univ. Washington; Cert Master RV Technician

Carrere, Daniel A. B.S. Georgia Col. & State Univ; M.S. Georgia Col. & State Univ.

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Hewitt, Ana A.S. Lane Community Col. **Humphries, Jordi** A.S. Lane Community Col.; B.S. Univ. of Oregon; M.S. Univ. of Oregon

Kruse, David A. B.S. Yale Univ.; B.M. Juilliard School; M.M. Juilliard School

Nygaard, Lloyd P.

Rea, Paul H. B.A. Univ. of Oregon Revell, Robert D. Journeyman Cert Millwright

Steinberg, Shalimar B.A. Pacific Univ. A.A.O.T. Lane Community Col.

Arts Division

Ali, Katherine L. B.F.A. Calif Col. of Art Berner, Christopher A. B.F.A. Kansas City Art Institute

Burton, Thomas J. A.A.O.T. Lane Community Col.

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DeVore, Carla E. B.F.A. Univ. Minnesota Duluth; M.A. Univ. of Oregon

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Goolsby, Jefferson J. B.A. Calif St Univ. - Chico; M.A. Calif St Univ. - Chico; M.F.A. Univ. of Oregon

Halvorsen, Jan A. B.F.A. Univ. of Oregon **Lennox, Richard T.** B.F.A. Ohio Univ. Athens; B.S.Ed. Ohio Univ. Athens; M.S. Univ. of Oregon

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Lucanio, Patrick J. B.S. Western Oregon Univ.; M.A.T. Western Oregon Univ.; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

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Faltersack, Aaron L.

Killam, Justin B. A.S. Lane Community Col.; FAA Ground Instructor Advanced; FAA Ground Instructor Instrum; FAA MEI (Multiengine Instruct); FAA Com Pilot Sgl Eng Lnd Inst; FAA MEL (Multi-Engine Land); FAA Flight Instructor, CFII

Parrish, Walter S. A.S. Lane Community Col.; A.S. Lane Community Col.; B.A. Northwest Christian Univ.; FAA Com Pilot Sgl Eng Lnd Inst; FAA MEL (Multi-Engine Land); FAA Flight Instructor, CFII; FAA MEI (Multiengine Instruct); FAA Ground Instructor Instructor Advanced

Rasmussen, Mark A.

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Senderling, Steven B.S. Univ. of Maryland/Univ. Clg; FAA Com Pilot Sgl Eng Lnd Inst; FAA MEL (Multi-Engine Land); FAA MEI (Multiengine Instruct); FAA Ground Instructor Advanced; FAA Ground Instructor Instrum; FAA Flight Instructor, CFII

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Howard, Andrew C.

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Child and Family Education

Maggee, Aoife Van Norman Renee

Computer Information Technology

Baughman, Andrea S. A.A. Lane Community Col.; B.A. George Fox Univ.

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Gifford, Brent D. B.S. Brigham Young Univ. Utah; M.S. George Mason Univ.

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Malecha, Geoffrev R.

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Osak, Linda S. B.S. Univ. Calif Riverside Rizk, Ziad A. B.A. San Diego State Univ.

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Cooperative Education

Ditson, Mary T. B.A. Goucher Col.; M.C.A.T. Mahnemann Medical Col.; C.M.T.; Cert. Special Ed.

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Lilliefors, Lori A. A.A. Delta Col.; B.S. Central Michigan Univ.

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Gourley-Biggs, Patricia A.

Grieger, Ben B. B.S. Univ. Houston Clear Lake; M.A. Univ. Houston Clear Lake

Rothgery, Andrew W. B.A. Univ. of Oregon; M.A. Univ. of Oregon

Shapiro, Alice K. B.A. Univ. Calif Berkeley; B.S. Univ. Calif Riverside; M.S. Univ. Calif Irvine

Thompson, William E. B.S. Univ. of Oregon

Vogel, Bruce W. B.S. Western Oregon Univ.; M.A. Lewis & Clark Col.

Counseling

Bachman, William Professional Degree, Colorado School of Mines; M.S. Shippensburg State Col., Ph.D. Oregon State Univ.

Darlington, Erin B.A. Univ. of Tulsa; M.S. Univ. of Oregon

de Caccia, Linda S. B.A. Univ. Calif Santa Barbara; M.Ed. Oregon State Univ.; Secondary Teaching Certificate; Cert Licensed Prof Counselor

Griffin, Lisa A.G.S., Dixie State Col.; B.S., Southern Utah Univ.; M.S., Oregon State Univ.

Jones, Laura M. B.S. Univ. of Oregon; M.S. Univ. of Oregon; Ph.D. Univ. of Oregon

Lehr, Martha J. B.A. Illinois State Univ.; M.S. San Diego State Univ.

Mc Kenzie, Bree M. B.A. Univ. Calif Santa Cruz; M.S. Oregon State Univ.

Townsend, Gayle V. B.S. Whitman Col.; M.S. Univ. of Oregon

Willoughby-Roberts, Dawna R. B.A. Univ. of Oregon; M.S. Univ. of Oregon

Culinary Arts and Hospitality

Dombrosky, Adrienne L.

Ellis, Keith

King, Ariel

Lohr, Peter Journeyman Cert Hotel/ Catering

English as a Second Language

Burley, Hali M. M.A. Oregon State Univ.; Teachng Engl Speakr Othr Lang

Calcaterra, Theodore B.A. Stephen F. Austin State Univ.; M.A. Univ. of Oregon; M.Ed. Univ. of Oregon

Claypool, Leah A. B.A. Univ. of Oregon; M.A. Portland State Univ.

Daudt, Diane B.A. Linfield; M.A. Univ. of Phoenix

Gessert, Kate R. B.A. Wellesley Col.; M.S. Bank Street Clg of Ed-New York

Griffin, Gary B.A. Indiana Univ.; J.D. Univ. of Kentucky; M.A Univ. of Kentucky

Guerrero, Maria M.C.S.E Univ. of Oregon; M.A. Univ. of Oregon

Haynes, Pamela G. B.A. Univ. of Oregon; M.A. Portland State Univ.; Elem Education Teaching Cert

Higgins, Cybele M. B.A. Univ. Calif Santa Cruz; M.A. Portland State Univ.

King, Lisa A. B.A. Guilford Col.; M.A. Sch For International Trng

Kremers, Luda V. B.Ed. Odesssa State Linquistic Univ.; Ph.D. Foreign Col.s; Ph.D. Odesssa State Linquistic Univ.

Liontos, Demetri B.A. Sir George Williams Univ.; M.A. Concordia Univ. -Montreal McClelland, Sean B.A Univ. of Oregon; M.S. Univ. of Oregon

Schenderlein, Dave B.S. Univ. of Oregon; M.A. Fuller Theological Seminar

Shields, Colleen M.

Whisler, Jaqui B.S. Univ. of Oregon; M.S. Univ. of Texas

Yeo, Tina B.A. Keimyung Univ.; M.S. Univ. of Oregon; M.A. Univ. of Oregon

Zinniker, Stacey M. B.A. Univ. of Oregon; M.A. Pacific Univ.

Florence Center

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Dupont, Cathy A. B.S. Univ. Minnesota Minneapolis; M.A. Northrn Illinois Univ.

Larson, Julie D. B.F.A. Univ. of Oregon Mitchell, James A. M.S. Brigham Young

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Health and PE

Cacioppi, Rebecca A. B.A. Bowdoin Col.; M.S.W. Smith Clg/Grad Sch-Social Work

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Health Professions

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Cassidy, Suzanne C.M.A.

Childers, Jason A.A.S. Lane Community

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Duyck, Mark A.A.S. P.T.A. Mt. Hood Community Col.; B.S. Univ. of St. Francis; M.S. Portland State Univ.; Licensed Physical Therapist Assistant

Farrington, Marianne P. C.E.R.T.1. Alvin Ailev American Dance Ctr: A.A.S. Fashion Inst Tech; AFAA Certification; Personal Trainer Certification; Kickboxing Certification; OSSA Coach

Globus, Joan M.S. P.T. Boston Univ.; Physical Therapist

Gores, Michael M.S. Univ. of California San Francisco/San Francisco State Univ.; B.S. Southern Oregon Univ.; A.A. Col. of the Redwoods; Physical Therapist

Greer, Leslie D. A.G.S. Lane Community Coll.; Certified Dental Assistant; E.F.D.A./

Hill, Richard W.

Knight, Stephen G. A.A.S. Lane

Maahs, Tamara A.A.S. Lane Community

Manning, Cindy A. B.S. Linfield Col.; M.A.

Mars, Anne A.A.S. Madison Area Technical Col.

McFerran, Teresa M. B.S. Quinnipiac Univ.; B.S. Rutgers/State Univ.-New Jersey; M.S. Rutgers/State Univ.-New Jersey; Registered Dietician

Miner, Jonathon C. A.A.S. Oregon Health Sci Univ.; B.S. Univ. of Oregon; AH Adv Cardiac LS Instruct; Outdoor Emerg Care Tech Instr; E.V.O.C. Instructor - Oregon; Wilderness EMT Certification; Emerg Resp Instr Trainer A.R.C; Paramedic Nat'l Registry EMT; Oregon EMT Paramedic; P.A.L.S. Cert for AHA

Olson, Tonya A.A.S. P.T.A. Lake Superior College; B.A. Biology Indiana Univ./ Purdue Univ.; M.S. Physical Therapy Medical Univ. of So. Carolina; Physical

Peterson, Kimberly M. Certified Dental Assistant; E.F.D.A./E.F.O.D.A.

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Salisbury, Karen CMA

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Sullivan, Wendy I.

Sutton, Tamara Registered Dental Hygienist; Certified Dental Asst.; E.F.D.A./ E.F.O.D.A.

Tabor, Matti CMA

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Tavernier, Jennifer R. A.S. Lane Community Col.; B.S.N. Indiana State Univ.-Terre Haute; B.S. Univ. of Oregon; M.S.N. Indiana State Univ.-Terre Haute

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Index

Α	Aviation Maintenance Technician	Community Center for Family
About Lane4	Program75-77	Counseling275-276
Academic Advising5,11,21,22-23	Aviation Technology Transfer160	Como Empezar en Lane6
Academic Calendar2	Awards4	Complaint Procedure56-57
Academic Learning Skills21		Computer Game Programming
Academic Probation50,55		in C++87
Academic Programs66	В	Computer Hardware Repair (See Electronics)
Academic Renewal Policy55	Baking and Pastry95	
Academic Standards54	Basic Health Care124	Computer Information Systems78-80
Academic Standards and Alert	Basic Manufacturing/Machining	Computer Information Systems - Health Informatics80-83
System54	Technician137	Computer Lab22
Accounting Program66-67	Biology Courses196-197	Computer Network Monitoring and
Accounting Courses186	Biology Transfer161	Management84
Accreditation4	Black Student Union28	Computer Network Operations83-85
Acting (See Theatre Arts)	Board of Education, Lane280-281	Computer Network Security84-85
Administration280-281	Board of Education, Oregon281	Computer Programming Program85-86
Administrative Office Professional67-71	Bookstore30	Computer Science Transfer 162-163
Administrative Support Courses186-187	Botany (See Biology)	Computer Simulation and Game
Administrative Withdrawal52	Broadcasting(See Media Arts)	Development86-87
Admisión6	Budget Committee, Lane281	Computer Specialist Program87-88
Admission5	Building Controls Technician Option 110	Computer Training (noncredit)273
Adult Basic Education/GED Program 275	Bus Pass8	Computers: Introduction/Information
Adult Basic Skill Development275	Business Administration and Accounting	Systems/Computer Science
Adult Development and Aging130	Transfer 161-162	Courses200-203
Adult Skill Development275	Business and Workforce	Computers: Keyboarding Courses .203-204
Advising5,11,21,22-23	Development277-280	Computers: Software Courses204-205
Advisory Committees281	Business Assistant Program77-78	Construction Courses
Affirmative Action Statementinside back cover	Business Courses197-198	Construction Landscape90
Agricultural Equipment/Mechanics		Construction Technology Program88-90
(See Diesel)	С	Construction Trades90-93
Air Conditioning (See Automotive, Diesel)		Continuing Education Training Programs273
American Indian Experience158-159	CAD, CADD (See Drafting and Engineering	Cooperative Education12-13
Antaomy/Physiology/	Technician)	(Also see specific programs
Microbiology Courses187	CAM (See Manufacturing)	and course descriptions)
Anthropology Courses187-188	CNC (See Manufacturing)	Cooperative Education, International 14
Apprenticeship Courses188-191	Carraya Mara	Cooperative Education/Internships
Architecture (See Drafting and Egineering)	Campus Map9	Courses205-206
Art History Courses191-192	Career Counseling	Core Values296
Art, Studio Courses192-194	Career Development Courses	Cottage Grove Campus8
Art Transfer 159	Career and Employment Services22 Career and Technical	Counseling5,11,21,22-23
ASLCC (Associated Students of	Programs66-157	Course Descriptions186-272
Lane Community Col.)28	Catalog5	Course Numbers50-51
Assessment and Testing30	Center for Meeting and Learning275	Credit-by-Assessment23
Associate of Applied Science Degree44-45	Centro Multi-Cultural26	Credit-by-Examination23
Associate of Arts Oregon Transfer	Certificate Program46	Credit for Prior Learning23
Degree35-39	Certified Medical Assisting (See Medical	Credit Programs66-157
Associate of General Studies42-43	office Assistant)	Credits51
Associate of Science Degree41-42	Chemical Dependency	Credit Student Outcomes34
Associate of Science Oregon Transfer:	(See Human Services)	Criminal Justice Courses206-207
Business39-41	Chemistry Courses199	Criminal Justice Program131-132
Attendance50	Child Development (See Early Childhood	Criminal Justice Transfer163
Audio (See Media Arts)	Education)	Culinary Arts and Foodservice Management Program93-96
Audit55	Child and Family Center22	Culinary Arts Courses207
Auto Body and Fender Technology	Child Care22	Curriculum for High School
Program71-73	Class Schedule	Students14
Auto Collision Option72	Clubs and Organizations28	
Auto Paint Option72-73	College District4	
Automotive Courses	College Level Examination Program23	D
Automotive Collision and Refinishing	College Preparation (See Study Skills)	Dance Transfer Plan163-164
Courses	College Success Courses199-200	
		Dance Courses 207 200
Automotive Technology Program73-75 Aviation Maintenance Courses195-196	Communication (See Speech Communication)	Dance Courses207-209 Dance Productions27

Community Center for Family
Counseling275-276
Como Empezar en Lane6
Complaint Procedure56-57
Computer Game Programming in C++87
Computer Hardware Repair (See Electronics)
Computer Information Systems78-80
Computer Information Systems - Health Informatics80-83
Computer Lab22
Computer Network Monitoring and Management84
Computer Network Operations83-85
Computer Network Security84-85
Computer Programming Program85-86
Computer Science Transfer162-163 Computer Simulation and Game
Development86-87
Computer Specialist Program87-88
Computer Training (noncredit)273
Computers: Introduction/Information Systems/Computer Science
Courses200-203
Computers: Keyboarding Courses . 203-204
Computers: Software Courses204-205
Construction Courses205
Construction Landscape90
Construction Technology Program88-90
Construction Trades90-93
Continuing Education Training Programs273
Cooperative Education12-13
(Also see specific programs and course descriptions)
Cooperative Education, International 14
Cooperative Education/Internships Courses205-206
Core Values296
Cottage Grove Campus8
Counseling5,11,21,22-23
Course Descriptions186-272
Course Numbers50-51
Credit-by-Assessment23
Credit-by-Examination23
Credit for Prior Learning23
Credit Programs66-157
Credits51
Credit Student Outcomes34
Criminal Justice Courses206-207
Criminal Justice Program131-132
Criminal Justice Transfer
Culinary Arts and Foodservice
Management Program93-96 Culinary Arts Courses207
Curriculum for High School
Students14
D
Dance Transfer Plan163-164
Dance Courses207-209

Database Specialist82	Ethnic Studies Courses220-221	Н
Deferred Billing Terms Agreement 18	Exercise and Movement Science 111-115	Half Time Charlent
Definitions50-52	Exercise and Movement Science	Half-Time Student51
Degree and Certificate Overview33-47	Courses221-222	Health Education Transfer170
Denali28-29	Exercise and Sport Science	Health and First Aid Courses228
	Transfer169-170	Health Clinic24-25
Dental Assisting Courses209-210		Health Informatics Transfer170-171
Dental Assisting Program96-97	Expenses17	Health Information Technology
Dental Assisting Transfer165-166		Specialist82-83
Dental Hygiene Courses210-211	_	-
Dental Hygiene Program97-99	F	Health Insurance, Student25
Dental Hygiene Transfer166-167	Fabrication/Welding Courses222-223	Health Occupations Course226
Determination of Residency17-18	Fabrication/Welding Technology	Health Records Technology122-126
Diesel and Heavy Equipment211-212	Program115-118	Health Records Courses226-227
Diesel Technology Program99-100	Facilities8	High School Connections14
Dietary Manager95-96		History Courses228-229
Differential Pricing Program17	Faculty	
Direct Transfer51	FAFSA18	Honor Lists51
	Family Connections22	Honor Society28
Disability Resources23-24	Family Studies (See Human Relations)	Honors Courses229-230
Disciplinary Action60	Fashion Design273	Honors Program14
Disclosure Statement52-53	Fees and Expenses17	Hospitality Management
Distance Learning15	Fee Refunds20	Courses230-231
Downtown Campus8	Film (See Literature, Media Studies,	Hospitality Management Program 126-129
Drafting Courses212-213	and Political Science)	Housing25
Drafting Program100-102	Financial Aid18	
Drama (See Theatre Arts)	Fitness Education Center	How to Get Started5
Dropping a Class52		Human Development Classes23
Drug and Alcohol Statement57	Fitness Specialist112-115	Human Relations Courses231
	Flight Courses223-224	Human Services Courses231-233
	Flight Technology Center8	Human Services Programs129-133
E	Flight Technology Program118-119	Human Services: Criminal Justice . 131-132
	Florence Campus8	Human Services:
Early Childhood Education	Floristry273	Juvenile Corrections132-133
Courses213-214	Food Preparation and Production96	Humanities Courses233
Early Childhood Education	Food Service Management93-96	
Program 102-105		
-		Hybrid Courses15,51
Earth and Environmental Science 214	Foodservices24	Trybrid Courses10,51
Earth and Environmental Science	Foodservices24 Foundation, Lane281-282	Typhu courses
Earth and Environmental Science	Foodservices	I I I I I I I I I I I I I I I I I I I
Earth and Environmental Science	Foodservices24 Foundation, Lane281-282	Immunizations
Earth and Environmental Science	Foodservices	Immunizations11,25
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
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Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information Systems 120-121 Geography Courses 224-225 Geology (See Earth and Environmental Science) 324-225 Geospatial Information Science and Technology 119-120 Governance 280-281 Grade Changes 54 Grade Point Average 54 Grades 54 Grading Policies 54-55 Grade Notations 54	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information Systems 120-121 Geography Courses 224-225 Geology (See Earth and Environmental Science) Science Geospatial Information Science and Technology 119-120 Governance 280-281 Grade Changes 54 Grade Point Average 54 Grading Policies 54-55 Grade Notations 54 Graduation 33	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information Systems 120-121 Geography Courses 224-225 Geology (See Earth and Environmental Science) Science Geospatial Information Science and Technology 119-120 Governance 280-281 Grade Changes 54 Grade Point Average 54 Grades 54 Grade Notations 54 Graduation 33 Graduation 33 Graphic Design Courses 225-226	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information Systems 120-121 Geography Courses 224-225 Geology (See Earth and Environmental Science) 324-225 Geospatial Information Science and Technology 119-120 Governance 280-281 Grade Changes 54 Grade Point Average 54 Grades 54 Grade Notations 54 Graduation 33 Graphic Design Courses 225-226 Graphic Design Program 121	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information 39 324-225 Geology (See Earth and Environmental Science) 224-225 324-225 Geospatial Information Science and Technology 119-120 119-120 Governance 280-281 328-281 Grade Changes 54 54 Grade Point Average 54 Grade Notations 54 Graduation 33 Graphic Design Courses 225-226 Graphic Design Program 121 Group Exercise Instruction Certificate 115	Immunizations
Earth and Environmental Science	Foodservices 24 Foundation, Lane 281-282 French (See Language Studies) 51 Full-time Student 51 Funding 4 G Gender and Sexuality Alliance 28 General Educational Development (GED) Test 275 Geographic Information Systems 120-121 Geography Courses 224-225 Geology (See Earth and Environmental Science) 324-225 Geospatial Information Science and Technology 119-120 Governance 280-281 Grade Changes 54 Grade Point Average 54 Grades 54 Grade Notations 54 Graduation 33 Graphic Design Courses 225-226 Graphic Design Program 121	Immunizations

K	Noncredit Programs50,273	R
	Nursing Courses251-253	
KLCC-FM Radio276	Nursing Assistant Program273	Radio (See Audio)
		Reading (See Study Skills)
	Nursing Program142-146 Nutrition Courses253	Records, Student, Release of53
L	Nutrition Courses253	Recreational and Club Sports Program27
"L" Number51		Refunds
Landscaping (See Construction)	0	
Lane Board of Education280-281		Registration11,21
Lane Budget Committee281	Occupational Skills Courses253	Release of Records53
Lane Foundation281-282	Occupational Skills Program146	Religion (See Philosophy and Religion)
Lane Transit District8	Off-Campus Centers8	Renewable Energy Technician
Lane's Integration of Vets in Education32	Office Software Specialist70	Option
LaneOnline15	Online Courses15	Residency, Determination of17-18
Language Studies Courses233-235	Oregon Board of Education281	Respiratory Care Courses262-263
Latino Student Union28	Oregon Transfer Degree12,35-39	Respiratory Care Program150-152
Learning Communities15-16	Oregon Transfer Module46-47	Retail Management152-154
Legal Assistant Courses235-236	Out-of-District Students17	Robotics (See Electronics, Industrial
Legal Assistant Program135	Out-of-State Students	Maintenance)
Legal Office Skills69-70	Outcomes Assessment34	
Legal Services, Student26	Outreach Centers8	s
Library26		5
Literature Courses236-239	Overview of Academic Programs12	Schedule Changes11
Live Interactive Courses15		Security and Safety64
Locations and Maps8-9	P	Semiconductor Manufacturing (See Electronics)
	Paralegal Studies146-147	Senior Companion Program276
	Paramedicine147-149	Service Learning16
M	Parking8	Shielded Metal Arc Welder118
Machine Shop, Machine Tools (See Manu-	-	Skills Testing30
facturing)	Pass/No-Pass54	Small Business Development Center and
Management (See Business/	Paying for Classes	Employee Training277-279
Management and Culinary)	Payments, Tuition and Fees17	Small Business Management277-278
Manufacturing Courses239	Payroll Clerk67	Small Business Ownership70-71
Manufacturing Technology	Peace Studies Transfer173-174	Smoking Policy63-64
Program	Phi Theta Kappa Honor Society28	Social Security52
Manufacturing Technology: Computer Numerical Control	Philosophy and Religion Courses253-254	Sociology Courses263-264
(CNC) Technician Option136	Phlebotomy273	Spanish (See Language Studies)
Map, Lane Campus9	Phone Numbers7	Special Admission Programs11
Massage Therapy Program137-138	Photo ID27	Specialized Support Services276
Mathematics Courses240-245	Photography Courses254-255	Speech Communication Courses 264-265
Mechanics (See Automotive, Aviation,	Physical Education Courses255-258	Speech and Communication
Diesel)	Physical Exams & Immunizations 11,25	Studies180-181
Media Arts Courses245-246	Physical Therapist Assistant149-150	Spelling (See Writing)
Medical Coding125	Physical Therapist Courses258-259	Sports and Fitness27
Medical Office Assistant Program 138-140	Physics Courses259-260	Steps to Enroll in Credit Classes
Medical Office Assisting Courses246-247	Placement Testing30	Student Code of Conduct60
Medical Transcription125-126	Policies	Student Code of Conduct
Meeting, Convention, and	Political Science Courses260-261	Student Employment Service22
Special Events Manager128-129	Practical Nursing144-145	Student Employment Service22 Student Government
Microbiology (See Biology)	Practical Nursing Bridge145-146	
Money Matters17-20		Student Leadership Development Courses
Multicultural Center26	Pre-Chiropractic	Student Legal Services26
Multimedia/Web Design Program 140-142	Pre-Journalism	Student Life and Leadership
Music Transfer Plan172-173	Pre-Occupational Therapy175-176	Development28
Music Courses247-250	Pre-Optometry176-177	Student Magazine28-29
Music, Dance and Theatre Arts27	Pre-Phamacy177	Student Media28-29
Music Industry Transfer171-172	Pre-Physical Therapy177-178	Student Newspaper29
Music Lessons Courses250-251	Pre-Physician Assistant178-179	Student Newspaper
myLane51	Pre-Veterinary179	Student Outcomes Assessment34 Student Policies and Complaint
	President's Letter3	Procedures55-63
	Probation, Academic50,55	Student Records53
N	Procedures and Policies50-55	Student Records
Native American Student	Program Orientations11	Responsibilities58-60
Association28	Psychology Courses261-262	Student Services21-22
New Student Information11	Psychology Transfer Plan179-180	Student Service Associates29

Student Snack Shack29 Studio Art (See Art, Studio)
•
Study Skills and College Preparation
Courses266
Substance Abuse Prevention
Program29
Substance Abuse Statement57
Successful Aging Institute276
Supervised Field Experience
(See Cooperative Education)
Sustainability29
Sustainablility Coordinator154-155
T

Teacher Education Preparation	181-182
Telecourses	15
Telephone Numbers	7
Television (See Video Productions)	
Testing Services	30
Theatre Transfer Plan	182-183
Theatre Arts Courses	266-267
Theatre Productions	27
Titan Court	25
Titan Store	30
Torch	29
Transcripts	53
Transfer Credits	11

Transfer Hotline	48
Transfer majors	48
Transfer Plans	158-184
Transiciones	32
Transitions	32
Transportation, Bus	8
TRIO Program	30
Tuition	19
Tuition, Fees, Financial Aid	
and Payment	
Tuition Payments	18-19
Tuition Refunds	19
Tutoring Courses	
Tutoring Services	30-31

U

Umnqua	Paralegal	Studies	146-147
Ompqua	i araicgar	Otuaios	170 177

V

VA Educational Benefits	31
Veterans' Services	31
Video Production Courses	246
Vocabulary (See Writing)	

W

Water Concernation Courses 267 269
Water Conservation Courses267-268
Water Conservation Technician155-156
Watershed Science Courses268-269
Watershed Science Technician 156-157
Web (See Business and Computers: Introduction)
Web Design142
Web Programming86
Welcome Letter3
Welding (See Fabrication and Welding)
Welding Processes117-118
Wire Drive Welder118
Withdrawing from Classes, School52
Women in Transition32
Women in Transition Courses269-270
Women's Center32
Women's Program32
Women's Studies Transfer Plan183-184
Women's Studies Courses270-271
Workforce Development280
Workforce Network280
Writing Courses271-272

7

Zoology (See Biology)

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.

Core 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

Core Themes

As part of an on-going self-study for the Northwest Commission on Colleges and Universities, Lane has identified the following four core themes that collectively encompass all elements of Lane's comprehensive Mission. Success for students pursuing educational goals in these curricular areas provides a key indicator of Mission fulfillment for Lane.

Core Theme 1: Academic Transfer

Foster student learning and success through accessible, quality academic transfer preparation.

Core Theme 2: Career Technical and Workforce Development

Foster student learning and success through accessible, quality career-technical preparation and workforce development.

Core Theme 3: Foundational Skills Development

Foster student learning and success through accessible, quality foundational skills development.

Core Theme 4: Lifelong Learning

Provide accessible, quality lifelong learning experiences for the community we serve.

Strategic Directions

Lane transforms students' lives through learning

- We acknowledge that students occupy many roles, including those of family members, workers, members of social groups, and citizens of an increasingly interconnected world.
- We provide educational experiences, support services and institutional structures that enhance student learning and success.
- In our work in and outside of the classroom, and in our daily interactions with students and one another, we aim to empower all students; we encourage students to grow, to take risks, and to assume responsibility for succeeding in all aspects of their lives.

A Liberal Education Approach for Student Learning

- Equip students to become global citizens with the broad knowledge and transferable skills characterizing a liberal education approach
- Expand application of the liberal education approach throughout the college's programs and services

Optimal Student Preparation, Progression and Completion

- Promote students' progression to goal completion by knowing our students and creating needed systems, processes and learning environments
- Support academically underprepared students' progression to college-level coursework by providing them with foundational skills, classes and support

Online Learning and Educational Resources

- Build capacity in faculty and staff to create high-quality, sustainable and innovative online learning and educational resources
- Provide the required tools, infrastructure and professional development to use emerging technologies for expanding online learning and educational resources
- Explore the effectiveness of online learning and educational resources

A Sustainable Learning and Working Environment

- Build understanding of sustainable ecological, social and economic systems and practices among the college communities
- Apply principles of sustainable economics, resource use, and social institutions to Lane's learning and working environments

A Diverse and Inclusive Learning and Working Environment

- · Create a diverse and inclusive learning college
- Develop institutional capacity to respond effectively and respectfully to students, staff and community members of all cultures, languages, classes, races, genders, ethnic backgrounds, religious beliefs, sexual orientations, and abilities

A Safe Learning and Working Environment

- Maintain a safe learning and working environment
- Improve practices and resources that secure property
- Promote activities, practices and processes that encourage civil discourse and protect college communities from discrimination, harassment, threats, and harm

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. The college prohibits discrimination in admissions, employment 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. This commitment is made by the college in accordance with federal, state, and local laws and regulations. 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 the Women's Program Director, Building 1, Room 202, 541.463.5564. Inquiries regarding Section 504 may be directed to Nancy Hart, Disability Resources Director, Building 1, Room 218, 541.463.3010 or Dennis Carr, Chief Human Resource Officer and Section 504 Coordinator, Building 3, Room 114, 541.463.5585.

