



2009-2010  
Career and Technical  
Programs

Advanced  
Technology Division  
(541) 463-5380

Two-Year Associate  
of Applied Science  
Degree

# Sustainability Coordinator

**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 have the knowledge and skills to:

- 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, statewide predicted average wage is \$20-\$23 hourly. Lane County predicted average wage is \$19-\$22 hourly. Predicted entry level wages are \$11-\$16 hourly.

**Costs in Addition to Tuition (estimated)\***

Books ..... \$2500

\*Subject to change without notice.

**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.

# Sustainability Coordinator

**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.

**Cooperative Education (Co-op)** Co-op 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 Larry Scott, Sustainability Co-op Coordinator, Bldg. 19, Rm. 154, (541) 463-5458, scottl@lanecc.edu.

**Program Advisor:** Lisa Stegall, Bldg. 12, Rm. 201, (541) 463-5151, stegalll@lanecc.edu

**Program counselor:** Carolyn Litty, Bldg. 12, Rm. 202, (541) 463-5236, littyc@lanecc.edu

## Two-Year Associate of Applied Science Degree

First Year	Fall
WR121 English Composition: Exposition & Introduction to Argument <sup>*,D,W</sup> .....	4
SUST101 Introduction to Sustainability <sup>D,G</sup> .....	3
NRG103 Sustainability in the Built Environment <sup>1,D,G</sup> .....	3
ENVS181 Terrestrial Environment <sup>D,S,G</sup> .....	4
<b>Total Credits</b>	<b>14</b>

	Winter
PH101 Fundamentals of Physics <sup>*,D</sup> .....	4
NRG111 Residential/Light Commercial Energy Analysis <sup>*,1,D,G</sup> .....	3
HE255 Global Health <sup>D,P,G</sup> .....	4
ENVS182 Atmospheric Environment and Population <sup>D,G</sup> .....	4
<b>Total Credits</b>	<b>15</b>

	Spring
BI103J General Biology: Forest Ecology <sup>D,G</sup> .....	4
BI103M General Biology: Biodiversity & Sustainability <sup>D,G</sup> .....	4
ECON260 Introduction to Environmental and Natural Resource Economics: Water <sup>D,G</sup> .....	4
ENVS184 Global Climate Change <sup>D,G</sup> .....	4
<b>Total Credits</b>	<b>16</b>

	Fall
MTH095 Intermediate Algebra <sup>*,D,M</sup> .....	5
BT117 MS Excel for Business <sup>*,D</sup> .....	4
WR227 Technical Writing <sup>*,A,D,W</sup> .....	4
COOP206 Sustainability Coordinator Seminar <sup>D,G</sup> .....	1
NRG141 Energy Investment Analysis <sup>*,1,D,G</sup> .....	3
<b>Total Credits</b>	<b>17</b>

	Winter
MTH105 Introduction to Contemporary Mathematics <sup>*,D,M</sup> .....	4
CG203 Human Relations at Work <sup>D,H</sup> .....	3
PS297 Environmental Politics <sup>D,G</sup> .....	4
ECON250 Class, Race and Gender in the US Economy <sup>D,G</sup> .....	4
<b>Total Credits</b>	<b>15</b>

	Spring
Sustainability Coordinator Program Electives <sup>D</sup> .....	7
COOP280 Co-op Ed: Sustainability Management <sup>D,G</sup> .....	3
BT115 MS Access for Business <sup>*,D</sup> .....	3
ENVS183 Aquatic Environment <sup>D,G</sup> .....	4
<b>Total Credits</b>	<b>17</b>

1 Instructor permission required

**Standard footnotes:**

- \* Prerequisite required
- A Meets Arts/Letters requirement
- B Must be passed with grade of "B-" or better to use as a prerequisite
- D Degree or certificate requirement; must be passed with grade of "C-" or better
- G Must be taken for a grade, not P/NP; major requirement

- H Meets Human Relations/Social Science requirement
- M Meets Mathematics requirement
- P Meets PE/Health requirement
- R Required for AAS degree
- S Meets Science/Math/Computer Science requirement
- W Meets Written Communications or English Composition requirement