



2011 - 2012  
Career and Technical Programs

Advanced Technology Division  
541.463.5380

lanecc.edu

# Sustainability Coordinator

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 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 .....\$ 2,500

\*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.

**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 the Cooperative Education Division, Bldg. 19, Rm. 231, 541.463.5203.

# Sustainability Coordinator

## Two-Year Associate of Applied Science Degree

### First Year

|   | Fall |
|---|------|
| WR 121 Introduction to Academic Writing *,D ..... | 4    |
| HE 255 Global Health.....                         | 4    |
| ENVS 181 Terrestrial Environment D,G .....        | 4    |
| GS104 Physical Science.....                       | 4    |

Total Credits 16

### Winter

|   |   |
|---|---|
| ENVS182 Atmospheric Environment and Population D,G .. | 4 |
| SUST 101 Introduction to Sustainability.....          | 3 |
| CG 203 Human Relations at Work D .....                | 3 |
| CH 104 Introductory Chemistry .....                   | 5 |

Total Credits 15

### Spring

|  |   |
|--|---|
| BI 103J General Biology: Forest Ecology D,G .....                                      | 4 |
| BI 103M General Biology: Biodiversity and Sustainability D,G .....                     | 4 |
| ECON 260 Introduction to Environmental and Natural Resource Economics: Water D,G ..... | 4 |
| ENVS 184 Global Climate Change D,G .....   | 4 |

Total Credits 16

## Second Year

### Fall

|   |   |
|---|---|
| MTH 095 Intermediate Algebra *,D .....        | 5 |
| BT 123 MS Excel for Business.....             | 4 |
| WR 227 Technical Writing *,D .....            | 4 |
| WATR 202 Fostering Sustainable Practices..... | 3 |

Total Credits 16

### Winter

|   |   |
|---|---|
| MTH 105 Introduction to Contemporary Mathematics *,D ..     | 4 |
| PS 297 Environmental Politics D,G .....                     | 4 |
| ECON 250 Class, Race and Gender in the US Economy D,G ..... | 4 |
| CST 201 Sustainable Building Practices .....                | 3 |

Total Credits 15

### Spring

|   |   |
|---|---|
| COOP 206S Sustainability Coordinator Seminar D,G .....  | 1 |
| COOP 280S Co-op Ed: Sustainability Management D,G ..... | 3 |
| DRF 211 Mechanical Systems D,G .....                    | 4 |
| BT 124 MS Access for Business *,D .....                 | 3 |
| ENVS 183 Aquatic Environment D,G .....                  | 4 |

Total Credits 15

Sustainability-focused courses are approved by Lane's Sustainability and Learning Committee  
1 Instructor permission required

an equal opportunity/affirmative action institution committed to cultural diversity and compliance with the Americans with Disabilities Act 6/11

#### Standard footnotes:

\* Prerequisite required

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

R Required for AAS degree