

# CENTRAL

## programs



Associate of Science Degree

## Environmental Science and Leadership

If you enjoy the adventures in the out-of-doors and are curious to learn about the interactions of flora, fauna and the environment, consider the Environmental Science and Leadership degree program.

The Environmental Science and Leadership (ESL) degree program is provided through a partnership with the National Outdoor Leadership School (NOLS). This unique program combines the wilderness experience courses offered through NOLS, with a rigorous science curriculum offered through CWC. The wilderness experience courses are



## CAREER OPTIONS:

Advanced degrees (masters and/or doctorate) are usually required to be a program manager or research scientist in these and many other related fields.

For information on specific careers in Environmental Science, check out:

<http://www.jobmonkey.com/greenjobs/environmental-science.html>



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designed to develop skills and attitudes consistent with NOLS philosophies on environmental awareness and conservation. The CWC science courses form the basis of a sound two-year program in natural science.

The core of this program is a NOLS semester course for CWC credit in which you must concurrently enroll in the following courses: BIOL 2045 Natural History of Regional Ecosystems, EDUC 2050 Outdoor Education and Leadership, and G&R 2050 Environmental Ethics and Management. Longer semesters will also include the required Wilderness First Responder (HLED 2010).

Consult the NOLS website or catalog for specific dates, locations, and formats of outdoor leadership semesters, or directly contact the National Outdoor Leadership School at 307-332-5300. For detailed course descriptions on specific courses and seasons go to [www.nols.edu](http://www.nols.edu). Registration is coordinated through the CWC Registrations and Records Office. Contact [admissions@nols.edu](mailto:admissions@nols.edu) for availability and application forms for NOLS courses. All wilderness courses require students to have the physical ability to carry a 65 pound backpack and hike 70-100 miles in rugged wilderness terrain. Regardless of the wilderness experience, four recurring themes are stressed: judgment and safety; leadership and expedition behavior; outdoor skills; and environmental ethics.

The Environmental Science and Leadership program is excellent preparation for leadership careers in natural resources and environmental science. A bachelor's degree prepares you for work as an environmental field technician, conservation scientist, wildlife technician, community organizer or as a teacher of environmental science.

**Associate of Science Degree**

<b>General Education Requirements</b>	<b>Credits</b>
Writing Level I (WR1)	3
Writing Level II (WR2)	3
American & Wyoming Government (POLS 1000)	3

ARTS	3
DIV	3
HUM	3
LSCI	(In program)
MATH	(In program)
ORAL	3
PEAC	1
SOC	3
UNST	1
WELL	1

**Program Requirements**

BIOL 1010	General Biology I (LSCI)	4
CHEM 1020	General Chemistry I (LSCI)	4
CHEM 1030	General Chemistry II	4
GEOL 2000	Earth System Science	4
HLED 2010	Wilderness First Responder*	4
MATH 1400	College Algebra (MATH)	4

\* May substitute HLED 2015 Wilderness EMT

**Program Electives**

GEOL1100	Physical Geology	OR	
GEOL1200	Historical Geology		4

Students must choose **12** credits from the following courses offered through NOLS

BIOL 2045	Natural History of Regional Ecosystems**	4
EDUC 2015	Outdoor Educator:	1-5
EDUC 2045	Outdoor Leadership Instructor	1-5
EDUC 2050	Outdoor Education & Leadership**	4
ENR 2010	Environmental Law	4
EQST 2655	Wilderness Horsepacking	1-5
G&R 2020	Mountaineering:	1-5
G&R 2030	Wilderness Backpacking:	1-5
G&R 2031	Combined Expedition:	1-5
G&R 2032	Winter Expedition	1-5
G&R 2033	Rock Climbing:	1-5
G&R 2034	Water Expedition:	1-5
G&R 2050	Environmental Ethics and Management**	4

**Total 67**

\*\* BIOL 2045, EDUC 2050 and G&R 2050 taken together constitute the National Outdoor Leadership School (NOLS) semester and must be taken concurrently. In addition HLED 2010 may be taken concurrently for select NOLS semesters.

Note: The ESL program is soon (2011) to include an expanded course list for flexibility in career preparation.