

CENTRAL programs



Associate of Science Degree

Earth/Environmental Science

Like getting your hands dirty? Want to know how cliffs were formed? Concerned about the water quality in your neighborhood or adequate energy resources for the world? Then consider a career in Earth and Environmental Science.

The program in Earth and Environmental Science provides the student with a broad foundation of Earth Science while allowing the flexibility to concentrate on a specific aspect of Environmental Science such as chemical or biological. This degree is designed for transfer to the University of



CAREER OPTIONS:

To find out more about Geoscience Careers, check out: <http://www.agiweb.org/workforce/brochure.html>.

Many geoscientists are working in green fields such as waste management, material science, mineral and water resources, and alternative energy. Find out more at: <http://www.jobmonkey.com/green-jobs/green-science-technology.html>.



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Wyoming or other four-year institution granting degrees in specific areas of earth and environmental science. Bachelors degree prepares you for work as a technical assistant in fields such as geology, hydrologist, geographer, soil scientist, mining engineer, paleontologist or as a teacher of Earth and environmental science. Advanced degrees (masters and/or doctorate) are usually required to be a program manager or research scientist in these and many other related fields.

The Earth and Environmental Sciences program at CWC offers many scholarships for students majoring in geoscience. There are also opportunities for professional research projects. Our current projects include: water geochemistry and microbe community characterization in a near-by hot springs; surface and ground water surveys in a Wind River basin watershed; soil and rock survey on an anomalous landform just south of campus; and cataloging and preparing museum specimens for display.

Associate of Science Degree

General Education Requirements		Credits
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	(In program)	
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
CHEM	2300 Introductory Organic Chemistry OR	
CHEM	2320 Organic Chemistry I	4

ECON	1010 Macroeconomics (SOC)	3
GEOL	1100 Physical Geology (LSCI)	4
GEOL	2000 Earth System Science	4
MATH	1400 College Algebra (MATH)	4
STAT	2050 Fundamentals of Statistics	4

Program Electives

Student must choose **5** credits from the following courses:

BIOL	2020 General Biology II	4
COSC	1200 Computer Information Systems	3
GEOL	1200 Historical Geology	4
G&R	1000 World Regional Geography	3
G&R	1020 Introduction to Human Geography (DIV)	3
GEOL	1020 Geology of Wyoming	1-2
GEOL	1200 Historical Geology	4
GEOL	1240 Geology of the Yellowstone-Teton Region	1
GEOL	2200 Geologic Field Excursion:	1-3
MATH	1405 Trigonometry	3
Total		64

If you like to get outdoors, several field trip opportunities are available every semester. Recent trips have included: Yellowstone and Grand Teton National Parks, the Big Horn Basin and Mountains, The Red Desert and Great Divide Basin, the Wind River Mountains, Sinks Canyon, Wind River Canyon and regional survey trips covering large areas of Wyoming. Come join the fun!

Note: The EES program is soon (2011) to include an expanded course list and courses related to the energy industry.

