

Environmental Science Technology

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 Casper College

At Casper College you can earn a two-year degree in the field of environmental science. Depending on whether you wish to pursue a bachelor's or if you are ready to start your career, an associate of science degree in environmental science can open the doors to a multitude of career opportunities.

With a two-year degree, work opportunities exist for employment as a science technician where you will use the principles and theories of science and mathematics to solve problems in research and development, help invent and improve products and processes, and set up, operate, and maintain laboratory instruments, monitor experiments, make observations, calculate and record results, and often develop conclusions. There is also opportunity for outdoor fieldwork.

If you plan to pursue further education in the world of environmental science, you should know that federal, state and local governments employ nearly one-half of all environmental scientists.

Environmental scientists conduct research to identify and abate or eliminate sources of pollutants that affect people, wildlife, and their environments.



Points of Pride

- Small class size
- Experienced, award-winning instructors
- Excellent advising
- Opportunities to intern
- Many scholarships available

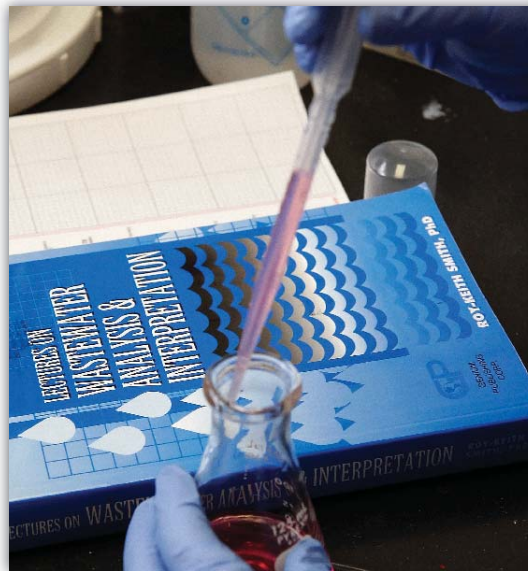
Trades and Technology • Fact Sheet

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Job Opportunities

According to the U.S. Labor Department, employment of environmental scientists is expected to grow about as fast as the average for all occupations through 2012. Driving job growth will be public policy, which will force companies and organizations to comply with environmental laws and regulations, particularly those regarding ground-water contamination, ocean, air, and flood control.

There are many job opportunities for science technicians. Jobs are available as technicians in agriculture, food science, biological fields, chemical



fields, environmental science and protection, forensic science, forest and conservation, geological, petroleum fields, mining and nuclear fields.

Those wishing to pursue a bachelor's following graduation at Casper College are well advised to continue their education to the master and doctorate levels. Currently a bachelor's degree is adequate for some entry-level jobs, but many jobs require a master's degree as the minimum. Most high-level research positions require a doctorate. Jobs available in the environmental science field include environmental scientists, ecologists, ecological modelers, environmental chemists, oceanographers, physical oceanographers and even marine biologists.



Potential Earnings

Most recent statistics show:

- o Two-year degree range from \$14-\$29 per hour
- o Beyond two-year degree salaries range from \$44,600-\$66,000/year

Curriculum: Electronic Technology

Major Requirements:

- o General Biology I
- o Animal Biology
- or
- o Plant/Fungal Biology
- or
- o General Microbiology
- o Chemistry I
- o Chemistry Laboratory I
- o Chemistry II
- o Chemistry Laboratory II
- o Introduction to Physical Geography
- or
- o Physical Geology
- o Introduction to Environment and Natural Resources
- o Introduction to GPS and Maps
- o Introduction to GIS
- o Pre-Calculus Algebra
- o Fundamentals of Statistics