ENVIRONMENTAL PROGRAMS
INTERESTED IN THE ENVIRONMENT?

Why study the environment?
Around the world, environmental change is affecting people, and environmental challenges such as food security and climate change are going to impact our lives. Environmental problems can be complicated and controversial and require people from a variety of backgrounds to develop innovative solutions.

If you:
- want a career where you can make a difference,
- have an interest in applied environmental science or agricultural science,
- like to learn how things are designed and built, or
- want to learn more about environmental quality, assessment and policy,

the University of Saskatchewan offers many programs to fit your goals and interests.

Why environmental programs at uSask?
The University of Saskatchewan (uSask) is a member of the U15 group of Canada’s top research universities, and is home to many unique research facilities and organizations, including:
- the Canadian Light Source, Canada’s only synchrotron;
- the Toxicology Centre; and
- the Global Institute for Water Security.

Students at both graduate and undergraduate levels have opportunities to conduct research at these and other locations across our campus and in the field.

As a graduate of one of the environmental programs at uSask, you will gain not only excellent program-specific technical knowledge and training, but also a strong foundation in marketable skills, such as problem solving, communication, and more. You will have the background to contribute as an agent of change in many fields related to the environment and beyond.
Graduates from our programs have a wide variety of career opportunities and will potentially find work in the public and private sectors, as well as in municipal, provincial and federal governments and non-profit organizations.

Your degree can also lead to further studies as a master’s student. You may choose to stay in the same field and specialize further, or consider a master’s degree in a new or related field, such as business administration, leadership, sustainability, water security, law, education and so much more.

FIND MORE INFORMATION ABOUT CAREERS AT: usask.ca/environmental-programs/career-information.php
OUR PROGRAMS

Environment and Society
B.A. AND SC. | COLLEGE OF ARTS AND SCIENCE
Join an interdisciplinary program that will help you integrate social, human and scientific elements to address environmental problems, communicate the science associated with environmental issues and contribute to policy development. Learn to better understand environmental science, resource management, environmental philosophy, policy, and environmental studies. Have the chance to plan and implement research projects and develop practical skills to implement your ideas through the Cooperative Education option.

Environmental Earth Sciences
B.SC. | COLLEGE OF ARTS AND SCIENCE
Learn about the relationships between the solid earth, the atmosphere, the oceans and the biosphere. Have the opportunity to participate in interdisciplinary work in the physical sciences focused on investigating and interpreting near-surface environments, and the effects of human activities upon them. Develop knowledge regarding our water resources and examine the changing climates we live in. This is a program that will open doors to careers related to mineral exploration, development and production, pipeline installations, the management of water resources and more.

Environmental Engineering
B.E. | COLLEGE OF ENGINEERING
Determine how best to protect and improve public health and the environment, including air, water and land resources. Find ways to make a difference in areas such as water treatment, water and air pollution control, land protection and reclamation, industrial and hazardous waste containment and treatment, and municipal solid waste management, including the recycling of materials and energy recovery. Develop solutions to the environmental impacts of proposed infrastructure and resource development projects.

Environmental Science
B.S.A. | COLLEGE OF AGRICULTURE AND BIORESOURCES
Explore the world beneath your feet. Learn how plants clean up pollution or about prairie and boreal forest ecosystems through field experiences, laboratory analyses and computer-based interpretation of results. Have the opportunity to travel to a developing nation. This program is founded in agricultural sciences, and provides training in agronomic practices, agricultural systems, and environmental sciences. It allows you to pursue a Professional Agrologist designation and/or careers in consulting, forestry, agronomy, ecology or land reclamation.
Environmental Biology
B.SC. | COLLEGE OF ARTS AND SCIENCE

Develop your interest in biodiversity and ecosystem function, species or landscape conservation, environmental contamination, and ecological processes. Learn about ecosystems and how living organisms interact with their environment through scientific research and interdisciplinary work. This is a program that will accommodate various interests and aspirations, including careers with environmental NGOs, as consultants, in academia and with government agencies, just to name a few.

Toxicology
B.SC. | COLLEGE OF ARTS AND SCIENCE

Expand your interest in poisons and pollutants by studying toxicology, the science that deals with the harmful effects of chemical and physical agents on living things. Learn how toxic substances behave in the body and in the natural environment, how they adversely affect individual organisms, populations and ecosystems, and how to measure these poisonous substances and assess their risks to human and environmental health. Become part of a program that is unique in Western Canada, and study in a facility that is home to Canada’s foremost university-based centre for water pollution research.

Renewable Resource Management
B.SC. (RRM) | COLLEGE OF AGRICULTURE AND BIORESOURCES

Understand how to rejuvenate disturbed land, investigate greenhouse gas emissions from landscapes or consider land, water and plant data through the lens of sustainability. Use applied science to examine topics such as the management of land, biotic and water resources. Gain technical skills through fieldwork, group projects, and inquiry-based learning to help ensure high employability in the resource sector. A Bachelor of Science in Renewable Resource Management allows you to pursue a Professional Agrologist designation, and you have the choice between one of two fields of specialization: Resource Economics and Policy or Resource Science.

Resource Economics and Policy

Study how management decisions and policy development influences sustainable development. Work on practical problems related to renewable resource management and environmental concerns.

Resource Science

Specialize in field measurement and assessment through hands-on, practical experience and build the necessary skills to sustainably manage our land, water, and plant resources.

FIND VIDEOS ABOUT EACH OF THESE PROGRAMS AT:
environmental-programs.usask.ca
Our students choose environmental programs at the University of Saskatchewan because of our knowledgeable and renowned faculty, our focus on providing hands-on learning experiences and extracurricular opportunities, our connections with research and industry and our commitment to student support.

**Learn through experience**
Within each of our programs, you will find many built-in opportunities to learn outside the lecture hall. You will have numerous opportunities to participate in labs, field classes, capstone classes and work experience programs, such as:

- **Co-operative Education Option**
  ENVIRONMENT AND SOCIETY AND ENVIRONMENTAL EARTH SCIENCES

- **Engineering Professional Internship Program**
  ENGINEERING

- **Toxicology Undergraduate Research Experience Program**
  TOXICOLOGY

Other opportunities to gain real-world experience while earning credit toward your degree include community service learning courses, where you can earn credit while volunteering, and study abroad experiences, ranging in length from a few weeks to a full year.

**Add on to your degree**
Talk to an academic advisor to learn about adding additional qualifications and skills to your degree, such as a minor or certificate of proficiency, or about pursuing an honours program or double degree. Being aware of all the options early in your studies will help you determine what will work best for you and your program.

**EnviroConnect workshops**
This new workshop series specifically for environmental degree students is designed to connect you to your future as a successful environmental practitioner. Through EnviroConnect, you will gain skills to help you succeed in your degree program, explore future career options and meet other environmental program students.

**Join a student club**
There are five environmentally focused student groups at uSask, as well as more than 120 other groups with a variety of interests in which you can get involved and enhance your uSask experience.
CERTIFICATE IN SUSTAINABILITY

Enhance your undergraduate degree and expand your job prospects to include the growing sustainability sector.

Understanding the principles of sustainability and the interdependencies of the environment and social and economic systems can help us learn to make the changes necessary to become effective local and global citizens.

Coordinated by the School of Environment and Sustainability (SENS), the certificate is open to all students registered in undergraduate degree programs.

Many students find it easy to fit the certificate into their degree program, as the list of electives overlaps with courses required for their major.

FOR MORE INFORMATION CONTACT sustainability.certificate@usask.ca
I LIKE THAT THE CAMPUS is large with lots of students, yet small enough to make connections between other colleges and areas of study. It doesn’t hurt that it’s also very beautiful!

— AIDAN MOWAT
FOURTH YEAR STUDENT, ENVIRONMENTAL EARTH SCIENCES
Admission requirements
Undergraduate environmental degree programs at uSask are offered in three colleges:
College of Agriculture and Bioresources
agbio.usask.ca
College of Arts and Science
artsandscience.usask.ca
College of Engineering
engineering.usask.ca
Visit explore.usask.ca/requirements for province-specific admission requirements for all undergraduate programs at uSask.

Learning Communities
All three colleges offering undergraduate environmental degree programs also offer Learning Communities (LCs) for students entering their first year. In an LC, you will take a set of the same classes together with other new students in your college and benefit from the mentorship and support of successful upper-year students, your Peer Mentors, and recent uSask graduates. You will be able to learn to adapt more quickly to university by developing skills to help you succeed in this new academic environment.
usask.ca/lc

Scholarships
The University of Saskatchewan offers a variety of scholarships, bursaries and awards, both to new students entering university and to those continuing their degrees.

- **Guaranteed Entrance Scholarships** UP TO $3,000
  You will be considered for these scholarships automatically based on your admission average.

- **Best and Brightest Entrance Scholarships** UP TO $40,000
  Apply for admission by Dec. 1 and for these awards by Dec. 15.

- **Competitive Entrance Awards** UP TO $32,000
  Apply for admission by Feb. 15 and for these awards by Mar. 1.
  Visit explore.usask.ca/awards to learn more.

Aboriginal students
uSask offers a number of programs and support for Aboriginal students on campus. Visit the Aboriginal Students’ Centre in the Gordon Oakes Red Bear Student Centre for more information.
students.usask.ca/aboriginal
THE THING I REALLY LIKED about my program is that it has the flexibility to give you many opportunities to discover what you’re really interested in.

— LAUREN ACHTEMICHUK
RECENT GRADUATE, ENVIRONMENT AND SOCIETY