

BA IN SCIENCE

DEGREE REQUIREMENTS
A minimum of 180 total quarter credits

ENVIRONMENTAL SCIENCE CONCENTRATION
80 Credits Required For Major

Foundation Courses in Science and Mathematics 46 crs.
(includes 31 credits from the major plus 15 credits in science and mathematics from the liberal arts core)

Core Courses 19 crs.
Human Ecology
Principles of Environmental Science
Technology, Society and Environment
Environmental Ethics
Environmental Assessment and Decision Making
Senior Thesis or Internship

Focus Option Courses 15 crs.
Focus option courses relate to a specialty or focus within environmental science. These include:
Ecosystem Analysis, Environmental Chemistry, Environmental Field Methods, Environmental Health, Systems Ecology, Environmental Writing, Environmental Education, Environmental Pollution and Toxicology, plus many other offerings within the Department of Science and Mathematics.

TOTAL **80 CREDITS**

GENERAL SCIENCE CONCENTRATION
65 Credits Required for Major

Science Perspectives 3 crs.

Internship related to the science concentration 5 crs.

Learning related to survey of foundation science disciplines 27 crs.

Advanced learning related to the area of science focus 21 crs.

Additional learning in science, mathematics or non-science, which may contribute to the concentration 9 crs.

TOTAL **65 CREDITS**

THE PRIOR LEARNING ADVANTAGE

Through Marylhurst's Prior Learning Assessment program, you can earn up to 45 credits (one year) toward your bachelor's degree for knowledge acquired during years of work and life-long learning. This may significantly reduce the cost of your degree and the length of time it takes to earn it.

OUTSTANDING FACULTY

Marylhurst's Science faculty is composed of practicing scientists who bring first-hand experience and engaging teaching styles into the classroom. Curiosity and exploration are encouraged in small, interactive classes held on campus and in the field.

NEXT STEP

Contact Marylhurst University today. Personalized academic advising is the key to creating your optimal degree plan. An advisor will answer questions about designing your academic program and provide you with information about admissions, transfer credits, financial aid, scholarships and prior learning assessment.



Marylhurst University is a liberal arts university located 10 minutes south of Portland between Lake Oswego and West Linn. Founded in 1893, Oregon's oldest Catholic university welcomes students of all faiths and backgrounds. A member of Servicemembers Opportunity Colleges (SOC) and an affiliate of the Concurrent Admissions Program (ConAP), Marylhurst is accredited by the Northwest Commission on Colleges and Universities.

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See catalog for complete information.

THE PLANET WE LIVE ON

YOUR EXPLORATION BEGINS HERE

“Science is work to be done, not something to believe in.” That is how Francis Bacon described the process of scientific discovery more than three centuries ago. Today we are challenged to pursue what science means in global and local communities and then to use that information to promote healthy life on Earth.

Just as Bacon taught, you will do the work of science at Marylhurst University. Equally important, you will explore your fascination with natural relationships and will learn that science is all about making connections.

Choose a concentration in **Environmental Science** or **General Science**. Both provide you with a cross-disciplinary foundation in science. With an advisor, you can customize a degree plan to focus on the fields of discovery you want to study.



LEARNING OUTCOMES

In the Science program, you will:

Understand the philosophy of science and the principles of the scientific method;

Achieve proficiency in assessing and analyzing scientific problems and issues;

Gain hands-on experience in the natural world;

Acquire research skills studying real problems while in the field; and

Develop your ability and confidence communicating with scientists and the public.

THE MARYLHURST EXPERIENCE

- One-on-one mentoring with faculty
- Small, seminar-style classes
- Flexibility and convenience in a dynamic learning environment
- Evening, weekend, daytime and online courses
- College credit for your prior learning at work and from life
- Financial aid and scholarship opportunities for all ages
- Tuition deferral with employer reimbursement

CAREER PATHS

As a graduate with a concentration in **Environmental Science**, you can pursue a profession in environmental education and communication, natural resource management or environmental planning.

- Careers in *environmental education and communication* include being an interpretive park naturalist, environmental writer and environmental advocate. In addition, you may enter environmental law, community affairs, public information or environmental education in schools, colleges, museums and organizations.
- If you are considering an occupation in *natural resource management*, you can become a soil conservation specialist, research ecologist, ecosystem restoration expert or endangered species biologist. You might also choose employment in fisheries, forest lands or land preservation management.
- Work in *environmental planning* includes being responsible for water and air quality and/or waste management and transportation. You may decide to participate in the management of land use and urban growth, parks and recreation or wetlands.

A degree with a **General Science** concentration provides you with the foundation for a range of careers such as science teacher, science writer and management in engineering firms or public utilities.