

Graduate Certificate in ENVIRONMENTAL SCIENCE

REAL. IMPACT.

The Graduate Certificate in Environmental Science is an integrative certificate that allows students to continue their education focused on the expanding field of Environmental Science. Our wide variety of courses gives certificate students a flexible, relevant, high-quality education with a particular focus on research allowing them to expand their expertise in Environmental Science. Course offerings span Biology, Chemistry, Environmental Science and Geology, allowing students to customize their certificate to their area of interest.

CERTIFICATE REQUIREMENTS:

Chemistry Course List (3 required courses)

CHMI 1006	General Chemistry I*
CHMI 1007	General Chemistry II*
ENVS 1006	Introduction to Environmental Science*

Science Course List (Choice of four courses)

BIOL 2056	Principles of Scientific Inquiry
BIOL 3007	Molecular Cell Biology
BIOL 3396	Ecology
BIOL 3977	Conservation Biology
BIOL 4016	Field Studies in Biology
BIOL 4306	Aquatic Biology
BIOL 4506	Invasive Species Biology
ENVS 2556	Experimental Design and Statistical Analysis
ENVS 3106	Pollution
ENVS 3206	Environmental Chemistry
ENVS 3456	Environmental Science Internship
ENVS 3596	Limnology
ENVS 3626	Epidemiology
ENVS 3906	Special Topics in Environmental Science
ENVS 4696	Toxicology
ENVS 4706	Soil Science
GEOL 1021	Understanding the Earth: The Planet and its Internal Processes
GEOL 1022	Understanding the Earth: The Earth's Crust, Rocks, and Minerals

Humanities/Social Science Course List (Choice of three courses)

BIOL/PHIL 2216	Principles of Environmental Ethics
BIOL/PHIL 2217	Topics in Environmental Ethics
ECON 2056	Economics of Natural Resources
ECON 2057	Environmental Economics and Policies
GEOG1026	Introduction to Physical Geography
GEOG 1027	Introduction to Human Geography
GEOG 2017	Introduction to GIS
GEOG 2106	Geomorphology I
GEOG 2107	Geomorphology II
GEOG 2996	The Great Lakes: Resources, People, and the Environment
GEOG 3037	Remote Sensing and the Environment
GEOG 3076	Advanced Geographic Information Systems (GIS)



GEOG 3307	Indigenous Knowledge and Natural Resources Management
GEOG 4296	Impact Assessment and Resource Management
GEOG 4407	Natural Resources & the Environment: Policy and Practice
JURI 2316	Environmental Law (3 credits)
PHIL 1116	Critical Thinking
POLI 3756	Politics and the Environment
SOCI 3227	Environmental Sociology



algomau.ca/academics/certificates

For specific course descriptions, please visit algomau.ca/academics/home-of-the-registrar



ADMISSION REQUIREMENTS:

University undergraduate degree with a minimum of 70% or (B) overall average. International applicants must provide documentation of language proficiency as per Algoma University's current language requirements.

GRADUATION REQUIREMENTS:

Minimum grade of 60% in required introductory courses* and 60% overall average in all courses required for the certificate.

Language Requirements: IELTS of 6.0 overall with a minimum of 6.0 on all bands.

For other English Language Test requirements, please visit: algomau.ca/students/international-students/admissions-requirements

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