

Mount Royal University Approved Course List for Registration with the Agrology Profession in Alberta

To be eligible to be registered as an Agrologist in Training (AIT) leading to the Professional Agrologist (PAg) designation, applicants must have obtained a 4-year 120-credit baccalaureate degree in agriculture or environmental science from a post-secondary institution recognized by AIA Council. This degree must meet the following course requirements:

1. Total agrology (introductory + senior agrology) coursework must be a minimum of 60 credits with a minimum of 24 of these credits at the senior course (third or fourth year) level.
2. Foundational natural science coursework must be a minimum of 15 credits. Courses must be foundational to the agrology profession
3. Mathematics OR calculus OR statistics coursework must be a minimum of 3 credits.
4. English OR communications coursework must be a minimum of 3 credits.
5. Economics coursework must be a minimum of 3 credits.

AIA has reviewed the Environmental Science Degree program at Mount Royal University. Courses that are considered eligible for meeting the above coursework requirements are listed below in the following categories: Introductory Agrology, Senior Agrology, Foundational Natural Sciences, Mathematics, Calculus or Statistics, English or Communications, Economics.

Please note courses may be accepted by the Registration Committee on a case by case basis depending on the type of degree and potential practice areas.

Introductory Agrology Courses

Introductory + Senior Agrology coursework must total a minimum of 60 credits

Course ID	Title
ECOL 1111	Terrestrial Ecology
ECOL 2219	Aquatic Ecology
ECOL 2201	Plant Survey and Classification
ENVS 2221	Water Pollution and Surface Water Analysis
ENVS 2203	Introduction to Soil Science
GEOG 1105	Introduction to Mapping, GIS and Remote Sensing

**Senior Agrology Courses*****(Minimum of 24 credits from the list)***

Course ID	Title
ENVS 3303	Life Cycle Assessment
ENVS 3305	Soil Hydrology
ENVS 3307	Air Pollution Monitoring
ENVS 3323	Watershed Management
ENVS 3333	Ground Water Contamination
ENVS 3335	Issues in Environmental Assessment
ENVS 4201*	Environmental Research Methods
ENVS 4405	Air Quality
ENVS 4406	Soil Genesis and Land Use
ENVS 4407	Pollution Prevention
ENVS 4419	Regulatory Management
ENVS 4421	Environment Resource Management
ENVS 4431	Management of Residuals
ENVS 4441	Site System Remediation and Design
NTSC 3301	Environment Health

**** Subject to documentation provided to the Registration Committee by the applicant*****Foundational Natural Sciences*****(Minimum 15 credits from the list)***

Course ID	Title
CHEM 1202	General Chemistry: Introduction to Quantitative Chemistry
CHEM 2157	Industrial Organic Chemistry
ENVS 2215	Applied Instrumentation
GEOL 1101	Physical Geology
GNED 1102	Controversies in Science
MIBI 1217	Environmental Microbiology
MGMT 3269	Project Management
MGMT 4407	Governance and Ethical Issues in Organizations

Mathematics or Statistics Courses***(Minimum of 3 credits selected from the list)***

Course ID	Title
ENVS 1105	Data processing and Statistics
MATH 1185	Calculus with Applications
MATH 1200	Calculus for Scientists
MATH 1203	Linear Algebra for Scientists and Engineers



Communication or Equivalent Courses

(Minimum of 3 credits selected from the list)

Course ID	Title
GNED 1203	Cultural Perspectives on Science
GNED 1402	Writing for the Professions
PSYC 2223	Communicating Effectively in the Workplace
SPCH 2001	Introduction to Public Speaking

Economics Courses

(Minimum of 3 credits selected from the list)

Course ID	Title
ECON 1101	Principles of Microeconomics