

# Royal Roads 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.

A two-year diploma from a recognized post-secondary education institution in Alberta or from outside Alberta and a Master of Science degree from Royal Roads University will be eligible to apply for an Agrology Technologist In-Training designation with AIA.

A two-year diploma from a recognized post-secondary education institution in Alberta or from outside Alberta and a Bachelor of Science degree from Royal Roads University will be eligible to apply for an Agrology Technologist In-Training designation with AIA.

A three year applied degree from a recognized post-secondary education institution in Alberta or from outside Alberta and a Master of Science degree from Royal Roads University will be eligible for an Agrologist In-Training designation with AIA.

Royal Roads University Courses that are considered eligible for meeting the above coursework requirements are listed below in the Senior Agrology category.

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.

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

Course ID	Title
ENSC 301	Sustainable Development Series
ENSC 306	Environmental Chemistry
ENSC 313	Application of Environmental Law
ENSC 317	Applied and Environmental Microbiology and Biochemistry
ENSC 403	Industrial Processes
ENSC 406	Environmental Ecology
ENSC 407	Ecotoxicology
ENSC 415	Environmental Management Tools
ENSC 418	Environmental Hydrology and Remediation
ENSC 419	Land Use and Environmental Planning
ENSC 420*	Major Project (6 credits)
ENSC 421	Comprehensive Application of Environmental Concepts
ENSC 423	Environmental Economics
ENSC 430	Geotechnology
ENSC 431	Air Quality and Wastewater Management

*\* Subject to documentation provided to the Registration Committee by the applicant***Mathematics or Statistics Courses***(Minimum of 3 credits selected from the list)*

Course ID	Title
ENSC 303	Statistics

**Communication or Equivalent Courses***(Minimum of 3 credits selected from the list)*

Course ID	Title
ENSC 323	Communication Skills

**Master of Science Graduate Courses**

Course ID	Title
ENVR 505	Ecosystem Science and Management
ENVR 530	Economics for Decision Making
ENVR 545	Sustainable Development: From Theory to Practice I
ENVR 581	Toxicology and Risk Assessment
ENVR 582	Environmental Analysis and Remediation
ENVR 660	Environmental Management Tools
ENVR 505	Ecosystem Science and Management

**English or Communications Courses**

*(Minimum of 3 credits selected from the list)*

Course ID	Title
ENVR 506	Analytical Thinking and Communications