

## Royal Roads University Approved Course List for Registration with the Agrology Profession in British Columbia

*List includes courses from various Environmental Science programs at RRU*

To be registered as an Articling Agrologist (AAg) leading to the Professional Agrologist (PAg) designation, applicants must have obtained:

A Bachelor's Degree with a science focus from a recognized university of which the course work must consist of the following:

a. A minimum of 8 entry level foundational knowledge courses, usually at the 100 or 200 level, in the subject matters listed on the Academic Worksheet. Applicants may have more than 1 entry level course in the same subject matter and cannot double count in the other two sections of the worksheet.

**These can include courses in:**

- |                      |  |
|----------------------|--|
| - biology            | - microbiology   |
| - biochemistry       | - geology  |
| - hydrology          |  |
| - genetics           | <b>May include courses that are of benefit to<br/>the study of natural sciences or agrology:</b> |
| - chemistry          | - math   |
| - earth sciences     | - statistics   |
| - hydrogeology       | - computer science   |
| - physical geography | - economics  |
| - physics            | - communications/Writing   |
| - ecology            |  |

b. At least 20 courses in natural sciences and/or agricultural and resource economics that relate directly to agrology (as defined by the *Agrologists Act 2003*).

c. At least 8 senior level courses (can come from within the above noted 20 course requirement) in natural sciences and/or agricultural and resource economics that relate directly to agrology (as defined in the *Agrologists Act, 2003*). Only senior courses (3rd year level and higher) taught by a Recognized University are recognized as senior level courses.

Courses that are considered eligible for meeting the coursework requirements for BCIA registration are listed in the following categories: Agrology, Foundational Natural Science; Mathematics or Statistics; Economics, Communications /Writing and Computer Science. *The Credentials Committee has the authority to limit how many foundational courses are accepted in each subject matter.*

\*Course requires supporting documentation; may or may not be accepted depending on subject matter

This course listing is a guideline only; the Credentials Committee determines eligibility based on a comprehensive course by course review ensuring the academic worksheet is optimized while remaining within the minimum registration requirements.

### 300-400 Agrolgy Courses

Course ID	Title
ENSC 304	Atmospheric and Oceanic Sciences
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
ENSC 423	Environmental Economics
ENSC 430	Geotechnology
ENSC 431	Air Quality and Wastewater Management
ENVP 313	Introduction to Environmental Law

### Mathematics or Statistics Courses

Course ID	Title
ENSC 303	Statistics

### Communications/Writing Courses

Course ID	Title
ENSC 323	Communication Skills
ENVR 506	Analytical Thinking and Communications

### Master of Science Graduate Courses

Course ID	Title
EECO 586	The Biosphere and Sustainability
ENVR 505	Ecosystem Science and Management
ENVR 514	Global Environmental Processes and Current Issues
ENVR 530	Economics for Decision Making
ENVR 545 *	Sustainable Development from Theory to Practice
ENVR 571	Legal Aspects of Environmental Management
ENVR 581	Toxicology and Risk Assessment
ENVR 582	Environmental Analysis and Remediation
ENVR 660	Environmental Management Tools
ENVR 695 *	Master of Science Thesis