

Thompson Rivers University Approved Course List for Registration with the Agrology Profession in British Columbia

List includes courses from the Department of Natural Resource Science

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 | May include courses that are of benefit to the study of natural sciences or agrology: |
| - chemistry | - math |
| - earth sciences | - statistics |
| - physical geography | - computer science |
| - physics | - economics |
| - ecology | - communications/Writing |

b. At least 20 courses in agricultural **or** natural sciences **or** agricultural **or** resource economics that relate directly to agrology (as defined by the *Agrologists Regulation, 2021*).

c. At least 8 senior level courses (can come from within the above noted 20 course requirement) in agricultural **or** natural sciences **or** agricultural **or** resource economics that relate directly to agrology (as defined by the *Agrologists Regulation, 2021*). 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.

100-200 Agrology Courses

| Course ID | Title |
|-----------------------|--|
| AGSC 2200 | Food Systems at the Local Level |
| GEOG 1000 | Planet Earth – An Introduction to Earth System Science |
| GEOG 2020 | Weather, Climate and Global Environmental Change |
| GEOG 2050 | Introduction to Hydrology |
| GEOG 2120 | Geography |
| GEOG 2231 | Geography of BC |
| GEOG 2700 | Introduction to Geographical Analysis |
| GEOG 2750 (NRSC 2230) | Geographic Information Systems |
| NRSC 1110 | The Science and Management of Natural Resources |
| NRSC 1120 | Dendrology 1 |
| NRSC 1220 | Dendrology 2 |
| NRSC 2000 | Introduction to the Study of Soils |
| NRSC 2100 | Forest Ecology and Silvics 1 |
| NRSC 2110 | Forest Mensuration |
| NRSC 2200 | Forest Ecology and Silvics 2 |
| NRSC 2230 (GEOG 2750) | Geographic Information Systems |
| WTTP 1711 | Water Treatment I |

300-400 Agrology Courses

| Course ID | Title |
|------------|---|
| GEOG 3040 | Environmental Climatology and Meteorology |
| GEOG 3050 | Physical Hydrology |
| GEOG 3060 | Groundwater Hydrology |
| GEOG 3070 | Biogeography |
| GEOG 3080 | Introduction to Geomorphology |
| GEOG 3100 | Environment, Resources and Sustainability |
| GEOG 3630* | The Geography of Resource Industries (with agricultural focus only) |
| GEOG 3700 | Field Course in Geography |
| GEOG 3740 | Remote Sensing of the Environment |
| GEOG 3750 | Applying Geographic Information Systems |
| GEOG 3770 | GIS for Water Resources Systems Analysis |
| GEOG 3990* | Special Topics in Geography and Environmental Studies |
| GEOG 4050 | Fluvial Geomorphology |
| GEOG 4060 | Advances in Hydrology |
| GEOG 4480* | Directed Studies |
| GEOG 4740 | Spatiotemporal Analysis |
| GEOG 4750 | Advances in Geomatics |
| GEOG 4990* | Special Topics in Geography and Environmental Studies |
| BIOL 3030 | Population Biology |
| BIOL 3101 | Animal Behaviour |
| ECON 3710 | Economics of the Environment |
| ECON 3740 | Land Use Economics |

| | |
|-------------|--|
| NRSC 3000 | Diversity and Ecology of the Vertebrates |
| NRSC 3110 | Grassland Ecology (was Range Ecology) |
| NRSC 3170 | Ichthyology |
| NRSC 3200 | Silviculture |
| NRSC 3210 | Range Management |
| NRSC 3260 | Limnology |
| NRSC 4020 | Natural Resource Entomology |
| NRSC 4030 | Natural Resource Pathology |
| NRSC 4040 | Wildlife Management and Conservation 1: Theory and Principles |
| NRSC 4050 | Wildlife Management and Conservation 2: Practice and Application |
| NRSC 4100 | Fisheries Management |
| NRSC 4110 | Watershed Management |
| NRSC 4130 | Fire Ecology and Management |
| NRSC 4140 | Natural Resource Policy and Planning |
| NRSC 4210 | Conflict Resolution in the Natural Resources |
| NRSC 4230 * | Graduating Essay |

Foundational Natural Science Courses

| Course ID | Title |
|-----------|--|
| BIOL 1110 | Principles of Biology I |
| BIOL 1210 | Principles of Biology 2 |
| BIOL 2130 | Cell Biology |
| BIOL 2131 | Cell and Molecular Biology |
| BIOL 2160 | Introduction to Microbiology |
| BIOL 3131 | Introduction to Biochemistry |
| CHEM 1500 | Chemical Bonding and Organic Chemistry |
| CHEM 1510 | Fundamentals of Chemistry |
| CHEM 1520 | Principles of Chemistry |
| CHEM 2123 | Organic Chemistry I |
| CHEM 2223 | Organic Chemistry II |

Mathematics, Calculus & Statistics Courses

| Course ID | Title |
|-----------|--------------------------------------|
| BIOL 3000 | Biometrics |
| MATH 1000 | Pre-Calculus |
| MATH 1140 | Calculus I |
| MATH 1240 | Calculus II |
| MATH 1150 | Calculus for the Biological Sciences |
| STAT 2000 | Introduction to Statistics |

Economics, Communications/Writing Courses

| Course ID | Title |
|-----------|-------|
|-----------|-------|

| | |
|-----------|--|
| CMNS 2300 | Critical Thinking and Writing for Science and Technology |
| ECON 1900 | Principles of Microeconomics |
| ENGL 1100 | Introduction to University Writing |
| ENGL 2300 | Writing for Science and technology |
| | |