

BCIA Pre-approved Courses for SAGE Students

When selecting unrestricted electives, SAGE students who are interested in registering with the BC Institute of Agrologists (BCIA) as an AAg (Articling Agrologist) or PAg (Professional Agrologist) are encouraged to select from the list of courses pre-approved by the BCIA below to ensure they meet the requirements. If a course is not on the pre-approved list, students can request to have it reviewed for approval by including the syllabus in an email to admin@bcia.com. Courses are generally not reviewed in advance of submitting an application.

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

Yellow highlight = required SAGE courses or equivalent (please refer to [this link](#) for SAGE requirements)

Blue highlight = additional courses required for Honours in SAGE

Foundational Knowledge Courses → *select 8 total*

Natural Science Courses

- ☐ BIOL_V 112 Biology of the Cell
- ☐ BIOL_V 121 Genetics, Evolution and Ecology
- ☐ BIOL_V 200 Fundamentals of Cell Biology
- ☐ BIOL_V 234 Fundamentals of Genetics
- ☐ BIOL_V 260 Fundamentals of Physiology
- ☐ CHEM_V 111 Structure, Bonding, and Equilibrium in Chemistry
- ☐ CHEM_V 121 (CHEM_V 111) Structure and Bonding in Chemistry
- ☐ CHEM_V 123 (CHEM_V 113) Thermodynamics, Kinetics and Organic Chemistry
- ☐ CHEM_V 233 Organic Chemistry for the Biological Sciences
- ☐ PHYS_V 131 Energy and Waves
- ☐ PHYS_V 117 Dynamics and Waves

Mathematics, Calculus & Statistics Courses

- ☐ BIOL_V 300 Fundamentals of Biostatistics
- ☐ FRST_V 231 Introduction to Biometrics
- ☐ LFS_V 252 Land, Food and Community: Quantitative Data Analysis
- ☐ MATH_V 100 Differential Calculus with Applications
- ☐ MATH_V 180 Differential Calculus with Applications
- ☐ STAT_V 200 Elementary Statistics for Applications

Economics, Communications/Writing and Computer Science

- ☐ ECON_V 101 (ECON_V 310) Principles of Microeconomics
- ☐ ECON_V 102 Principles of Macroeconomics
- ☐ EOSC_V 211 Computer Methods in Earth, Ocean and Atmospheric Sciences
- ☐ ECON_V 310 (ECON_V 101) Principles of Microeconomics
- ☐ LFS 150_V Scholarly Writing and Argumentation in Land and Food Systems

Agrology Courses → *select 20 total, 8 of which must be at the 300 level or higher*

100-200 Level Agrology Courses

- ☐ APBI_V 200 Introduction to Soil Science
- ☐ APBI_V 210 (BIOL_V 210) Vascular Plants
- ☐ APBI_V 244 (GEOS_V 200) Atmospheric Environments
- ☐ APBI_V 260 Agroecology I: Introduction to Principles and Techniques
- ☐ BIOL_V 204 Vertebrate Structure and Function
- ☐ BIOL_V 205 Comparative Invertebrate Zoology
- ☐ BIOL_V 210 (APBI_V 210) Vascular Plants
- ☐ CONS_V 200 Foundations of Conservation
- ☐ GEOS_V 102 Our Changing Environment: Climate and Ecosystems
- ☐ GEOS_V 103 Our Changing Environment: Water and Landscapes
- ☐ GEOS_V 200 (APBI_V 244) Atmospheric Environments
- ☐ GEOS_V 270 Geographic Information Science
- ☐ LFS_V 250 Land, Food and Community I: Introduction to Food Systems and Sustainability

300-400+ Level Agrology Courses

- ☐ APBI_V 314 Animals and Society
- ☐ APBI_V 318 Applied Plant Breeding
- ☐ APBI_V 324 (BIOL_V 324) Introduction to Seed Plant Taxonomy
- ☐ APBI_V 327 (BIOL_V 327) Introduction to Entomology
- ☐ APBI_V 328 Weed Science
- ☐ APBI_V 342 (FRST_V 310) Soil Biology
- ☐ APBI_V 351 (BIOL_V 351) (FRST_V 311) Plant Physiology
- ☐ APBI_V 360 Agroecology II: Ecology of Agricultural Systems
- ☐ APBI_V 361 Key Indicators of Agroecosystem Sustainability
- ☐ APBI_V 398 Research Methods in Applied Biology
- ☐ APBI_V 402 Sustainable Soil Management
- ☐ APBI_V 401 Soil Processes
- ☐ APBI_V 403 Soil Sampling, Analyses and Data Interpretation
- ☐ APBI_V 405 Plant Water Relations
- ☐ APBI_V 406 Pollination Biology
- ☐ APBI_V 414 Animals and Global Issues
- ☐ APBI_V 423 (UFOR_V 403) Ecological Restoration
- ☐ APBI_V 426 (BIOL_V 421) Plant-Microbe Interactions
- ☐ APBI_V 428 Integrated Pest Management
- ☐ APBI_V 440 (BIOL_V 440) Plant Genomics
- ☐ APBI_V 442 Wine Grape and Berry Biology
- ☐ APBI_V 444 (FRST_V 444) Agroforestry
- ☐ APBI_V 460 Agroecology III: Synthesis and Evaluation
- ☐ APBI_V 462 Conservation Agriculture and Biodiversity Monitoring
- ☐ APBI_V 463 Insects in Agroecosystems

- ☐ APBI_V 465* Capstone in Sustainable Agriculture and Food Systems
- ☐ APBI_V 497* Directed Studies
- ☐ APBI_V 499* Undergraduate Thesis
- ☐ BIOL_V 327 (APBI_V 327) Introduction to Entomology
- ☐ BIOL_V 351 (APBI_V 351) (FRST_V 311) Plant Physiology
- ☐ BIOL_V 352 Plant Physiology II: Plant Development
- ☐ BIOL_V 421 (APBI_V 426) Plant-Microbe Interactions
- ☐ BIOL_V 440 (APBI_V 440) Plant Genomics
- ☐ EOSC_V 329 Quantitative Groundwater Hydrology
- ☐ FRE_V 302 Small Business Management in Agri-Food Industries
- ☐ FRST_V 302 Forest Genetics
- ☐ FRST_V 310 (APBI_V 342) Soil Biology
- ☐ FRST_V 311 (APBI_V 351) (BIOL_V 351) Plant Physiology
- ☐ FRST_V 385 Watershed Hydrology
- ☐ FRST_V 444 (APBI_V 444) Agroforestry
- ☐ GEOS_V 305 Introduction to Hydrology
- ☐ LFS_V 350 Land, Food and Community II: Principles and Practice of Community Food Security