

Environment and Agricultural Systems

This pathway prepares students to work in an environmentally-focused field, where workers study animal and plant systems, develop new food products, use agricultural technology, research ways to protect natural resources and much more.

Career Clusters Included: Agriculture, Food & Natural Resources

Sample Rosedale Course Pathway

Grade 10

Grade 11

Grade 12

ENG2D: English
SNC2D: Science
MPM2D: Principles of Mathematics

ENG3U: English
SBI3U: Biology
SCH3U: Chemistry
SPH3U: Physics*
MCR3U: Functions

ENG4U: English
SBI4U: Biology
SCH4U: Chemistry
SPH4U: Physics*
MHF4U: Advanced Functions
MCV4U: Calculus & Vectors

*courses in blue are recommended but not required

Required Skills

Communication Skills,
Analytical Skills, Problem
Solving Skills, Critical-
Thinking skills, Decision-
Making Skills, Mechanical
Skills, Scientific Skills,
Observation Skills

After High Schools:

Possible credentials that pathway graduates may pursue include:

- BSc (Bachelor of Science)
- BASc (Bachelor of Applied Science)
- BA (Bachelor of Arts)
- BBRM (Bachelor of Bio-Resource Management)
- BCom (Bachelor of Commerce)
- BED (Bachelor of Environmental Design)
- Landscape Technician Diploma
- Veterinary Technician Diploma

Possible Careers	Avg. Salary*	Job Growth*
Horticulture Technician	\$47,850	
Environmental Officer	\$72,676	
Food Scientist	\$76,312	
Mining Manager	\$164,331	-
Forestry Supervisor	\$72,492	-
Agricultural Consultant	\$99,365	-
Conservation Officer	\$64,824	-

*Figures based on Ontario statistics. Job growth for 2017-2021, - (average), (above average)

