

# FOUNDATION PROGRAM (B.SC. (AG.ENV.SC.)) (45 CREDITS)

**Offered by:** Agricultural & Env.Sc.-Dean (Faculty of Agricultural and Environmental Sciences)

**Degree:** Bachelor of Science (Agricultural and Environmental Sciences)

**Program credit weight:** 45

## Program Description

(All majors except Agricultural Economics - see Advising Notes below)<sup>1</sup>

If you are entering university for the first time from a high school system, outside of the Quebec CEGEP system, you will be required to complete a Freshman/Foundation year of at least 30 credits as listed below.

Normally, students registered in the Faculty of Agricultural and Environmental Sciences Freshman/Foundation Year program may take a maximum of 8 credits outside the Faculty offerings to meet the requirements of the program. Permission to exceed this limit must be received from the Associate Dean (Student Affairs) prior to registration.

Note: If you are not certain that you have adequate math and/or physics skills to commence the freshman/foundation year you may wish to take preparatory courses prior to the normal Fall semester. You are encouraged to discuss your potential need with your academic adviser. Mathematical skill level will be determined during the first week of classes. Your freshman/foundation year adviser may recommend that you register for an additional weekly Pre-Calculus Lab, of one credit, which may be applied towards the required credits of the degree program.

For information on academic advising, see: [mcgill.ca/macdonald/studentinfo/advising](http://mcgill.ca/macdonald/studentinfo/advising)

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Required Courses - Fall (14.5 credits)

Expand allContract all

Course	Title	Credits
AEBI 120	General Biology.	3
AECH 110	General Chemistry 1.	4
AEMA 101	Calculus 1 with Precalculus.	4
AEPH 112	Introductory Physics 1.	4
AGRI 195	Freshman Seminar 1.	0.5

## Required Courses - Winter (12.5 credits)

Expand allContract all

Course	Title	Credits
AECH 111	General Chemistry 2.	4
AEMA 102	Calculus 2.	4
AEPH 114	Introductory Physics 2.	4
AGRI 196	Freshman Seminar 2.	0.5

## Elective - Winter (3 credits)

### B.Sc. (Ag. & Env. Sci.) - Agricultural Economics Major - Freshman/Foundation Year (30 cr.)

If you are entering university for the first time from a high school system, outside of the Quebec CEGEP system, you will be required to complete a Freshman/Foundation year of at least 30 credits as listed below.

Note: If you are not certain that you have adequate math and/or physics skills to commence the Freshman/Foundation year you may wish to take preparatory courses prior to the normal Fall semester. You are encouraged to discuss your potential need with your academic adviser. Mathematical skill level will be determined during the first week of classes. Your freshman/foundation year adviser may recommend that you register for an additional weekly Pre-calculus Lab, of one credit, which may be applied towards the required credits of the degree program.

For information on academic advising, see: <http://www.mcgill.ca/macdonald/studentinfo/advising>.

## Required Courses - Fall (14 credits)

Expand allContract all

Course	Title	Credits
AECH 110	General Chemistry 1.	4
AEMA 101	Calculus 1 with Precalculus.	3
AEPH 112	Introductory Physics 1.	4
AGEC 200	Principles of Microeconomics. <sup>2</sup>	3

## Required Courses - Winter (10 credits)

Expand allContract all

Course	Title	Credits
AEBI 122	Cell Biology.	3
AEHM 205	Science Literacy.	3
AEMA 102	Calculus 2.	4

## Complementary Courses - Winter (6 credits)

One of the following:

Expand allContract all

Course	Title	Credits
BREE 103	Linear Algebra.	3
NUTR 301	Psychology.	3

One of the following:

Expand allContract all

Course	Title	Credits
AGEC 201	Principles of Macroeconomics. <sup>2</sup>	3
AGEC 231	Economic Systems of Agriculture. <sup>2</sup>	3

<sup>1</sup> Freshman/Foundation Year students intending to major in Agricultural Economics in the B.Sc. (Ag. & Env. Sci.) degree program should note that the courses AEBI 120 General Biology., AECH 111 General Chemistry 2., and AEPH 114 Introductory Physics 2. are required for all other majors in the B.Sc. (Ag. & Env. Sci.) degree. Students who are uncertain about their choice of major should be completing the "regular" Agricultural & Environmental Sciences Freshman/ Foundation Year program; the AGECE 200 Principles of Microeconomics./AGECE 201 Principles of Macroeconomics. courses would then be taken as part of the "regular" U1 curriculum should they ultimately decide on the Agricultural Economics Major.

<sup>2</sup> Freshman/Foundation Year students planning to choose the Agricultural Economics Major will still be required to complete 90 credits in the Major. Since AGECE 200 Principles of Microeconomics. and AGECE 201 Principles of Macroeconomics./AGECE 231 Economic Systems of Agriculture. are normally required in the U1 year of the program, students who take these courses in their freshman/ foundation year will be required to substitute 6 other credits. Students should discuss suitable replacement courses with their adviser.