

## Program Course List

### **BSc Agriculture Crop Science Major**

#### YEAR 1

ECON 101 Introduction to Microeconomics  
ECON 102 Introduction to Macroeconomics  
MATH 114 Elementary Calculus I  
AN SC 200 Principles of Animal Agriculture  
STAT 151 Introduction to Applied Statistics I  
Choose one of:

- BIOL 107 Introduction to Cell Biology
- BIOL 108 Introduction to Biological Diversity
- BIOL 207 Molecular Genetics and Heredity
- BIOL 208 Principles of Ecology

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- BIOL 107 Introduction to Cell Biology
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- BIOCH 200 Introductory Biochemistry
- BIOCH 310 Bioenergetics and Metabolism
- EAS 100 Planet Earth
- EAS 105 The Dynamic Earth Through Time

CHEM Organic or Inorganic (\*3) **or** PHYS (\*3)

ENGL (\*3)

ENGL 100-Level (\*3)

Free Elective

#### YEAR 2

AREC 200 Current Economic Issues for Agriculture and Food  
AREC 214 Applications of Linear Models to Food, Resources, and Environment  
PL SC 221 Introduction to Plant Science  
AN SC 200 Principles of Animal Agriculture  
ALES 204 Communication Fundamentals for Professionals  
Choose one of:

- BIOL 107 Introduction to Cell Biology
- BIOL 108 Introduction to Biological Diversity

- BIOL 207 Molecular Genetics and Heredity
- BIOL 208 Principles of Ecology
- BIOCH 200 Introductory Biochemistry
- PL SC 331 Plant Biochemistry I
- BIOCH 310 Bioenergetics and Metabolism
- AN SC 391 Metabolism
- EAS 100 Planet Earth
- EAS 105 The Dynamic Earth Through Time

CHEM Organic or Inorganic (\*3)

REN R 210 Introduction to Soil Science and Soil Resources

Free Elective

Free Elective

### YEAR 3

AREC 323 Introduction to Management for Agri-Food, Environmental, and Forestry Businesses **or**

SMO 301 Behaviour in Organizations

BOT 340 Whole Plant Physiology

Choose two of:

- ENT 207 Agricultural Entomology
- PL SC 352 Invasive Alien Plants: Biology and Control
- PL SC 380 Principles of Plant Pathology

ENCS 356 Principles of Rangeland Conservation and Habitat Management **or** PL SC 354 Forage Crops

PL SC 324 Crop Ecophysiology

PL SC 355 Cereal, Oilseed, and Pulse Crops

Approved Program Elective

Approved Program Elective

Free Elective

### YEAR 4

PL SC 365 Genetic Improvement of Crop Plants **or** REN R 445 Soil Fertility

PI SC 495 Integrated Crop Protection

PL SC 499 Cropping Systems

Approved Program Elective (300/400 Level)

Approved Program Elective (300/400-Level)

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