

Crop Science Major, Agronomy Emphasis Plan

This sample curriculum shows most lower-division courses selected freshman and sophomore years, and most upper-division courses selected junior and senior years.

Students should consult with their advisor to develop a plan of study tailored to their individual needs and interests.

Freshman Year (31 credits)

Fall Semester (14 credits)

BIOL 1610 ¹ Biology I	4
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
MATH 1050 (QL) ¹ College Algebra	4
PSC 1050 ¹ Plants, Soils, and Climate Orientation	1
Elective course(s) ⁶	2

Spring Semester (17 credits)

BIOL 1620 (BLS) ¹ Biology II	4
ECN 1500 (BAI) ¹ Introduction to Economic Institutions, History, and Principles	3
PHYS 1200 (BPS) Introduction to Physics by Hands-on Exploration	4
PSC 3500 Structure and Function of Plants	3
Elective course(s) ⁶	3

Sophomore Year (37 credits)

Fall Semester (19 credits)

CHEM 1110 (BPS) ² General Chemistry I	4
PSC 4280 ³ Field Crops (taught odd years <i>only</i>)	3
PSC 4320 ³ Forage Production and Pasture Ecology (taught even years <i>only</i>)	3
USU 1320 (BHU) Civilization: Humanities	3
USU 1330 (BCA) Civilization: Creative Arts	3
ENGL 2010 (CL2) ⁵ Intermediate Writing: Research Writing in a Persuasive Mode	3

Spring Semester (18 credits)

CHEM 1115 ² General Chemistry Laboratory	1
CHEM 1120 (BPS) ² General Chemistry II	4
PSC 3500 ³ The Structure and Function of Economic Crop Plants	3
PHYS 1200 (BPS) ¹ Introduction to Physics by Hands-on Exploration	4
MIS 2100 Principles of Management Information Systems	3
BIOL 4500 ³ Applied Entomology	3

Junior Year (30 credits)

Fall Semester (14 credits)

PSC 3000 ¹ Fundamentals of Soil Science	4
HIST 3850 (DHA/CI) ⁵ History of Utah	3
Major elective course	3
Elective course(s) ⁶	4

Spring Semester (16 credits)

BIOL 4430 ³ Introduction to Plant Pathology	4
PSC 4600 (DSC/QI) ³ Cereal Science (taught even years <i>only</i>) (3 cr) or	
PSC 5700 ³ Principles of Plant Breeding (taught odd years <i>only</i>) (3 cr)	3
PSC 4700 ⁴ Irrigated Soils (half semester)	3
Major elective course	3
Elective course ³	3

Senior Year (29 credits)

Fall Semester (14 credits)

BIOL 4400 (QI) ¹ Plant Physiology	4
PSC 4000 ⁴ Soil and Water Conservation	4
PSC 4250 ³ Internship in Plants, Soils, and/or Climate	2
PSC 5550 ³ Weed Biology and Control	4

Spring Semester (15 credits)

BIOL 4410 ³ Plant Structure (taught even years <i>only</i>)	3
PSC 4890 (CI) ¹ Senior Seminar	1
PSC 5270 ³ Environmental Plant Physiology	2
PSC 5530 (QI) ⁴ Soils and Plant Nutrient Bioavailability	3
PSC 5560 ⁴ Analytical Techniques for the Soil Environment	2
Elective course(s) ⁶	4

¹This course is required as part of the Crop Science Major Core.

²This course is required for the Agronomy Emphasis.

³This course is included in the Additional Crop-related Courses for the Agronomy Emphasis.

⁴This course is included in the Additional Soils-related Courses for the Agronomy Emphasis.

⁵This course is a restricted elective. Other courses may be used to satisfy this requirement.

⁶This course is an unrestricted elective.