

Seed Science

Curriculum in Seed Science

Administered by the Departments of Agricultural and Biosystems Engineering, Agronomy, Horticulture, and Plant Pathology. Must be taken as a secondary major in conjunction with a primary major. The seed science program is designed for students with career interests in one or more aspects of the seed industry. Areas of study include: seed production, conditioning, pathology, physiology, quality control, and marketing, as well as seed plant designs.

Communication and Library:

ENGL 302	Business Communication	3
ENGL 309	Report and Proposal Writing	3
ENGL 314	Technical Communication	3
or SP CM 312	Business and Professional Speaking	

Biological Sciences

BIOL 211	Principles of Biology I	3
BIOL 211L	Principles of Biology Laboratory I	1
BIOL 212	Principles of Biology II	3
BIOL 212L	Principles of Biology Laboratory II	1
GEN 313	Principles of Genetics	3
or GEN 320	Genetics, Agriculture and Biotechnology	
ENT 376	Fundamentals of Entomology and Pest Management	3
PL P 408	Principles of Plant Pathology	3
AGRON 317	Principles of Weed Science	3

Physical Sciences

CHEM 163L	Laboratory in College Chemistry	1
CHEM 231	Elementary Organic Chemistry	3
CHEM 231L	Laboratory in Elementary Organic Chemistry	1-3
or BBMB 221	Structure and Reactions in Biochemical Processes	
PHYS 111	General Physics	5
GEOL 100	The Earth	3
Total Credits		13-15

Agricultural Sciences 21 cr.

AGRON 114	Principles of Agronomy	3
or HORT 221	Principles of Horticulture Science	
AGRON 154	Fundamentals of Soil Science	3
AGRON 206	Introduction to Weather and Climate	3
AGRON 354	Soils and Plant Growth	3
6 credits from AGRON or HORT		6
3 credits from TSM		3
Total Credits		21

Economics and Business: 9 cr.

ECON 101	Principles of Microeconomics	3
ECON 235	Introduction to Agricultural Markets	3
Three credit hours from the following:		3
ACCT 284	Financial Accounting	
ECON 102	Principles of Macroeconomics	
ECON 230	Farm Business Management	
ECON 336	Agricultural Selling	
MGMT 370	Management of Organizations	
MKT 340	Principles of Marketing	
Total Credits		9

Seed Science: 10 cr.

AGRON 338	Seed Science and Technology	3
AGRON 421	Introduction to Plant Breeding	3
4 credits from 300-400 level from AGRON, PLP, TSM, or HORT		4
Total Credits		10

Typical Program for the First Year

Because seed science is a secondary major, the courses taken by the student during the first year will vary, depending on the primary major (see typical program for the primary major).