

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: 9 cr.

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

Biological Sciences: 20 cr.

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
BIOL 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: 12-14 cr.

CHEM 163 & 163L	College Chemistry and Laboratory in College Chemistry	5
CHEM 177 & 177L	General Chemistry I and Laboratory in General Chemistry I	5

One of the following:

AGRON 259	Organic Compounds in Plants and Soils	3
BBMB 221	Structure and Reactions in Biochemical Processes	3
CHEM 231 & 231L	Elementary Organic Chemistry and Laboratory in Elementary Organic Chemistry	4

One of the following:

CHEM 178 & 178L	General Chemistry II and Laboratory in College Chemistry II	4
PHYS 111	General Physics	5
PHYS 115	Physics for the Life Sciences	4

Mathematical Sciences 6-8 cr.

MATH 140	College Algebra	3
STAT 101	Principles of Statistics	4
or STAT 104	Introduction to Statistics	

Demonstration of computer proficiency or course in Computer Science.

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

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	

Seed Science: 9-10 cr.

AGRON 338	Seed Science and Technology	3
AGRON 421	Introduction to Plant Breeding	3
AGRON 491	Seed Science Internship Experience	1-2
2 credits from 300-400 level from AGRON, PL P, TSM, or HORT		2

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).