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 3
- 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).