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 College Chemistry 5
  & 163L and Laboratory in College Chemistry
- CHEM 177 General Chemistry I 5
  & 177L and Laboratory in General Chemistry I
  One of the following:
  - AGRON 259 Organic Compounds in Plants and Soils 3
  - BBMB 221 Structure and Reactions in Biochemical Processes 3
  - CHEM 231 Elementary Organic Chemistry 4
    & 231L and Laboratory in Elementary Organic Chemistry
  One of the following:
  - CHEM 178 General Chemistry II 4
    & 178L and Laboratory in College Chemistry II
  - 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).