



Crop and Soil Science Sequence

This concentration emphasizes the scientific aspects of agronomy including improving plant production, quality, and profit by utilizing plant genetics and breeding and improving the soil physical, chemical and microbial characteristics to enhance crop production. There are currently numerous opportunities for agronomy majors in a variety of areas including plant genetics, plant breeding, soil and crop management, cropping systems, and plant nutrition. Agronomists are employed by seed companies, chemical and fertilizer companies, coops and other farm service businesses, as well as local, state, and federal governmental agencies, including Soil and Water Conservation Districts, Extension Service, and the Natural Resources Conservation Service.



Crop and Soil Science Sequence

Students must complete at least 36 hours in Agriculture

Required Courses for this sequence are:

AGR 109 – Introduction to the Agricultural Industry

AGR 150 – Principles of Agronomy

AGR 157 – Soil Science

AGR 234 -- Soil and Water Conservation

AGR 272 – Agricultural Genetics

AGR 305— Crop Growth and Development

AGR 357 – Soil Fertility and Fertilizers

MAT 120 or MAT 144 – Finite Mathematics or Pre-calculus

**CHE 110 and 112 or 140 and 141 – Fundamentals of Chemistry or General
Chemistry I and II**

**CHE 220 or 230 and 231 – Elementary Organic Chemistry or
Organic Chemistry I and Organic Chemistry Laboratory**

**CHE 242 or 342 or 280 – Basic Biochemistry or General Biochemistry I or
Environmental Chemistry**

BSC 196 or 197 – Biological Diversity or Molecular and Cellular Basis of Life

Eight hours of agronomy electives
