



### Agroecology

- Agron 311 – Professional Internship in Agronomy
- Agron 392 – Systems Analysis in Crop and Soil Management
- Agron 450 – Issues in Sustainable Agriculture
- Agron 497 – Agroecology Field Course

#### **Biological Science Choices:** (choose 2)

- Agron 217 & 317 – Weed Identification & Principles of Weed Science
- Agron 334 – Forage Crop Management
- Agron 485 – Soil and Environmental Microbiology
- Ent 376 – Fundamentals of Entomology and Pest Management
- Ent 471 – Insect Ecology
- Hort 424 – Sustainable and Environmental Horticulture Systems
- Hort 484 – Organic Agricultural Theory and Practice
- PL P 408 – Principles of Plant Pathology

#### **Physical Science Choices:** (Choose 2)

- Agron 360 – Environmental Soil Science
- Agron 402 – Watershed Hydrology
- Agron 404 – Global Change
- Agron 405 – Environmental Biophysics
- Agron 406 – World Climates
- NREM 407 – Watershed Management
- NREM 452 – Ecosystem Management

#### **Social Science Choices:** (Choose 1)

- Agron 342 – World Food Issues: Past and Present
- EnSci 484 – Ecosystem Ecology
- Soc 325 – Transition in Agriculture

### Crop Management & Business

- Agron 212 & 212L – Crop Growth, Productivity, and Management
- Ent 376 – Fundamentals of Entomology and Pest Management
- PL P 408 – Principles of Plant Pathology
- Agron 217 & 317 – Weed Identification & Principles of Weed Science

#### **Problem Solving**

- Agron 392 – Systems Analysis in Crop and Soil Management

#### **Business Choices:** (Choose 3)

- Acct 284 – Financial Accounting
- Econ 102 – Principles of Macroeconomics
- Econ 230 – Farm Business Management
- Econ 235 – Introduction to Agricultural Markets

#### **Agronomic Choices:** (Choose 2)

- Agron 260 – Soils and Environmental Quality
- Agron 325 – Biorenewable Systems
- Agron 334 – Forage Crop Management
- Agron 338 – Seed Science and Technology
- Agron 360 – Environmental Soil Science
- Agron 421 – Introduction to Plant Breeding
- Agron 463 – Soil Formation and Landscape Relationships

### Plant Breeding & Biotechnology

- Math 181 or 165 – Calculus I
- Math 182 or 166 – Calculus II
- Chem 177 & 177L – General Chemistry I
- Chem 178 & 178L – General Chemistry II
- Biol 212 & 212L – Principles of Biology II
- Biol 314 – Principles of Molecular Cell Biology
- Stat 401 – Statistical Methods for Research Workers
- Agron 421 – Intro to Plant Breeding

#### **Choose 1:**

- GEN 444 – Introduction to Bioinformatics
- Com S 207 – Fundamentals of Computer Programming

#### **Problem Solving**

- Agron 392 – Systems Analysis in Crop and Soil Management

#### **Interest Choices:** (Choose 1)

- Agron 212 – Crop Growth, Productivity, and Management
- Agron 338 – Seed Science and Technology

#### **(Choose 1):**

- BBMB 404 – Biochemistry I
- Biol 315 – Biological Evolution
- Gen 410 – Analytical Genetics

### Soil Science & Environmental Quality

- Agron 260 – Soils and Environmental Quality

#### **Problem Solving Choices:** (Choose 1)

- Agron 360 – Environmental Soil Science
- Agron 392 – Systems Analysis in Crop and Soil Management

#### **GIS Choices:** (Choose 1)

- EnSci 345 – Natural Resource Photogrammetry and GIS
- CRP 451 – Introduction to Geographic Information Systems
- Agron 452 – GIS for Geoscientists

#### **Interest Choices:** (Choose 3)

- Agron 459 – Environmental Soil and Water Chemistry
- Agron 463 – Soil Formation and Landscape Relationships
- Agron 477 – Soil Physics
- Agron 485 – Soil and Environmental Microbiology

#### **(Choose 2):**

- EnSci 301 – Natural Resources Ecology and Soils
- Agron 402 – Watershed Hydrology
- Agron 404 – Global Change
- Agron 405 – Environmental Biophysics
- Agron 406 – World Climates
- Agron 407 – Mesoscale Meteorology