



### 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 – Introduction to Statistics
- Agron 421 – Intro to Plant Breeding

#### 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

### Agroecology

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

#### Biological Science Choices

- (Choose 2):
- Agron 317 & 217L – 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 Agriculture Theory and Practice
  - PI Path 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
  - EnvS 484 – Ecosystem Ecology
  - Soc 325 – Transition in Agriculture

### Crop Management & Business

- Agron 212 & 212L – Growth, Productivity, and Management
- Ent 376 – Fundamentals of Entomology and Pest Management
- PIP 408 – Principles of Plant Pathology
- Agron 317 & 217L – 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 360 – Environmental Soil Science
  - Agron 338 – Seed Science and Technology
  - Agron 421 – Introduction to Plant Breeding
  - Agron 463 – Soil Formation and Landscape Relationships

### 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 485 – Soil and Environmental Microbiology
  - Agron 477 – Soil Physics

- (Choose 2):
- EnSci 301 – Forest Ecology and Soils
  - Agron 402 – Watershed Hydrology
  - Agron 404 – Global Change
  - Agron 405 – Environmental Biophysics
  - Agron 406 – World Climate
  - Agron 407 – Mesoscale Meteorology