

DEPARTMENT OF SOIL AND CROP SCIENCES
Concentration: Soil and Crop Sciences

Name _____ Telephone No. _____

Local Address _____

Advisor _____ Graduation Term: _____ Year _____

Degree Requirements: 120 credits, 42 upper division, 27 Soil and Crop Sciences

FRESHMAN YEAR

| Semesters Offered | | Credits |
|-------------------|---|---------|
| F S | ___ AGRI 192/292 Orient. To Ag. System | 1 |
| F S SS | ___ CHEM 107 Fundamentals of Chemistry | 4 |
| F S SS | ___ CHEM 108 Fundamentals of Chem Lab | 1 |
| F S SS | ___ CO 150 College Composition | 3 |
| F S SS | ___ MATH 117 College Algebra / Context I | 1 |
| F S SS | ___ MATH 118 College Algebra / Context II | 1 |
| F S SS | ___ MATH 124 Log. and Exp. Function | 1 |
| F S SS | ___ PH 110 Descriptive Physics | 3 |
| F | ___ SOCR 100 General Crops | 4 |
| F S SS | ___ PHIL 110 ² Logic & Critical Thinking | 3 |
| F S SS | ___ Biology electives | 4 |
| ----- | | |
| F S SS | ___ AREC or ECON Elective ³ | 3 |
| | or | |
| F S | ___ AREC 202 Ag & Resource Economics | 3 |
| | Total | 29 |

JUNIOR YEAR

| Semesters Offered | | Credits |
|---|---|---------|
| F S SS | ___ JTC 300 Prof & Tech Comm | 3 |
| F S | ___ SOCR 330 Principles of Genetics | 3 |
| F S SS | ___ Statistics ⁷ | 3 |
| ----- | | |
| <i>Select <u>one</u> of the following pairs of courses:</i> | | |
| S | ___ BZ 440 Plant Physiology | 3 |
| S | ___ BZ 441 Plant Physiology, Lab | 2 |
| | or | |
| F S SS | ___ GEOL 120 Explr Earth: Phys. Geology | 3 |
| F S SS | ___ GEOL 121 Intro Geology Lab | 1 |
| ----- | | |
| F S SS | ___ Soil and Crop Sciences Electives ⁶ | 6 |
| F S SS | ___ Technical electives ⁸ | 10 |
| | Total | 29-30 |

SOPHOMORE YEAR

| Semesters Offered | | Credits |
|-------------------|--|---------|
| F S SS | ___ CHEM 245 Fund of Organic Chem. | 4 |
| F S SS | ___ CHEM 246 Fund. of Organic Chem. Lab | 1 |
| F S | ___ SOCR 240 Intro. Soil Science | 4 |
| F S SS | ___ SPCM 200 Public Speak & Discuss | 3 |
| F | ___ LIFE 220 Fund of Ecology | 3 |
| ----- | | |
| F S | ___ FSHN 125 Food & Nutrition in Health | 2 |
| | or | |
| F S SS | ___ FSHN 150 Survey of Human Nutrition | 3 |
| ----- | | |
| F S SS | ___ Arts and Humanities ² | 3 |
| F S SS | ___ Global and Cultural Awareness ⁵ | 3 |
| | ___ Technical Electives ⁹ | 7-8 |
| | Total | 30-32 |

SENIOR YEAR

| | | |
|--------|---|-------|
| F | ___ SOCR 421 Crop & Soil Mgmt Syst. II | 4 |
| F | ___ SOCR 492 Seminar | 1 |
| ----- | | |
| F S SS | ___ SOCR 486 Practicum | 1 |
| | or | |
| F S SS | ___ SOCR 487 Internship | 1 |
| ----- | | |
| F S SS | ___ Historical Perspectives ⁴ | 3 |
| F S SS | ___ Soil and Crop Sciences Electives ⁶ | 4 |
| F S SS | ___ Technical electives ⁸ | 8 |
| F S SS | ___ General Electives ⁹ | 8-11 |
| | Total | 29-32 |

¹ Select from list of courses in category 3A after consultation with advisor (Suggested: BZ 104/150, BZ 120 or LIFE 102)

² Select from list of courses in category 3B in the AUCC

³ Select from the list of courses in category 3C in the AUCC

⁴ Select from the list of courses in category 3D in the AUCC

⁵ Select from the list of courses in category 3E in the AUCC

⁶ Select course(s) with the SOCR subject code

⁷ Select a course with the STAT subject code

⁸ Select from Colleges of Agricultural Sciences, Business, Engineering, Natural Resources, Natural Sciences, and/or Veterinary Medicine and Biomedical Sciences

⁹ Select enough elective credits to bring program total to 120 credits, of which at least 42 must be upper division (300-400 level)

| Soil & Crop Sciences | | | | <u>Credits</u> |
|---------------------------------|------|-----|---|-----------------------|
| S | SOCR | 320 | Forage & Pasture Management | 3 |
| S | SOCR | 322 | Principles of Microclimatology | 3 |
| S (even) | SOCR | 341 | Soil Ecology | 1 |
| F (even) | SOCR | 342 | Organic Soil Fertility | 1 |
| F (odd) | SOCR | 343 | Composting Principles & Practices | 1 |
| SS (even) | SOCR | 345 | Diagnosis & Treatment in Organic Fields | 2 |
| F | SOCR | 350 | Soil Fertility Management | 3 |
| F | SOCR | 377 | Geographic Information Systems in Agriculture | 3 |
| F S SS | SOCR | 410 | Seed Processes: Storage and Deterioration | 1 |
| F S SS | SOCR | 411 | Seed Processes: Legume Seed Production | 1 |
| F S SS | SOCR | 412 | Seed Processes: Separation and Conditioning | 1 |
| S (even) | SOCR | 424 | Topics in Organic Agriculture | 3 |
| S (odd) | SOCR | 430 | Applications of Plant Biotechnology | 3 |
| F | SOCR | 440 | Pedology | 4 |
| F | SOCR | 455 | Soil Microbiology | 3 |
| F (odd) | SOCR | 460 | Plant Breeding | 3 |
| S | SOCR | 467 | Soil & Environmental Chemistry | 3 |
| F | SOCR | 470 | Soil Physics | |
