

# MAJOR IN SOIL AND CROP SCIENCES, INTERNATIONAL SOIL AND CROP SCIENCES CONCENTRATION

## Major Completion Map

### Freshman

| Semester 1                            |  | Critical | Recommended | AUCC | Credits   |
|---------------------------------------|--|----------|-------------|------|-----------|
| Select one course from the following: |  |          |             |      | 1         |
| AGRI 192                              | Orientation to Agricultural Systems            |          |             |      |           |
| AGRI 292                              | Transfer Seminar                               |          |             |      |           |
| BZ 120                                | Principles of Plant Biology (GT-SC1)           | X        |             | 3A   | 4         |
| CO 150                                | College Composition (GT-CO2)                   |          |             | 1A   | 3         |
| MATH 117                              | College Algebra in Context I (GT-MA1)          | X        |             | 1B   | 1         |
| MATH 118                              | College Algebra in Context II (GT-MA1)         | X        |             | 1B   | 1         |
| MATH 124                              | Logarithmic and Exponential Functions (GT-MA1) | X        |             | 1B   | 1         |
| SOCR 100                              | General Crops                                  | X        |             |      | 4         |
| <b>Total Credits</b>                  |  |          |             |      | <b>15</b> |

| Semester 2  |   | Critical | Recommended | AUCC | Credits   |
|---|---|----------|-------------|------|-----------|
| AREC 202  | Agricultural and Resource Economics (GT-SS1)  |          |             | 3C   | 3         |
| Select one group from the following:  |   |          |             |      | 5-9       |
| Group A:  |   |          |             |      |           |
| CHEM 107  | Fundamentals of Chemistry (GT-SC2)            | X        |             | 3A   |           |
| CHEM 108  | Fundamentals of Chemistry Laboratory (GT-SC1) |          |             | 3A   |           |
| Group B:  |   |          |             |      |           |
| CHEM 111  | General Chemistry I (GT-SC2)                  | X        |             | 3A   |           |
| CHEM 112  | General Chemistry Lab I (GT-SC1)              |          |             | 3A   |           |
| CHEM 113  | General Chemistry II                          |          |             |      |           |
| CHEM 114  | General Chemistry Lab II                      |          |             |      |           |
| Select one course from the following:   |   |          |             |      | 2-3       |
| FSHN 125  | Food and Nutrition in Health                  |          |             |      |           |
| FSHN 150  | Survey of Human Nutrition                     |          |             |      |           |
| PHIL 110  | Logic and Critical Thinking (GT-AH3)          |          |             | 3B   | 3         |
| CO 150 and AUCC 1B (Quantitative Reasoning) must be completed by the end of Semester 2. |   |          |             |      |           |
|   |   | X        |             |      |           |
| <b>Total Credits</b>  |   |          |             |      | <b>13</b> |

### Sophomore

| Semester 3                            |   | Critical | Recommended | AUCC | Credits   |
|---------------------------------------|---|----------|-------------|------|-----------|
| Select one course from the following: |   |          |             |      | 3         |
| ANTH 100                              | Introductory Cultural Anthropology (GT-SS3) |          |             | 3C   |           |
| SOC 100                               | Introduction to Sociology (GT-SS3)          |          |             | 3C   |           |
| SOC 105                               | Social Problems (GT-SS3)                    |          |             | 3C   |           |
| ANEQ 101                              | Food Animal Science                         |          |             |      | 4         |
| LAND 220/<br>LIFE 220                 | Fundamentals of Ecology (GT-SC2)            |          |             | 3A   | 3         |
| POLS 131                              | Current World Problems (GT-SS1)             |          |             | 1C   | 3         |
| SPCM 200                              | Public Speaking                             |          |             |      | 3         |
| <b>Total Credits</b>                  |   |          |             |      | <b>16</b> |

| <b>Semester 4</b>   |  | <b>Critical</b> | <b>Recommended</b> | <b>AUCC</b> | <b>Credits</b> |
|---|--|-----------------|--------------------|-------------|----------------|
| AGRI 270/IE 270   | World Interdependence-Population and Food (GT-SS3) |                 |                    | 1C          | 3              |
| PH 110  | Physics of Everyday Phenomena (GT-SC2)             |                 |                    | 3A          | 3              |
| POLS 232  | International Relations (GT-SS1)                   |                 |                    | 1C          | 3              |
| SOCR 240  | Introductory Soil Science                          | X               |                    |             | 4              |
| Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> ) |  |                 |                    | 3D          | 3              |
| BZ 120 must be completed by the end of Semester 4.  |  | X               |                    |             |                |
| <b>Total Credits</b>  |  |                 |                    |             | <b>16</b>      |
| <b>Junior</b>   |  |                 |                    |             |                |
| <b>Semester 5</b>   |  | <b>Critical</b> | <b>Recommended</b> | <b>AUCC</b> | <b>Credits</b> |
| SOCR 330  | Principles of Genetics                             |                 |                    |             | 3              |
| SOCR 350  | Soil Fertility Management                          |                 |                    |             | 3              |
| SOCR 351  | Soil Fertility Laboratory                          |                 |                    |             | 1              |
| Select one course from the following:   |  |                 |                    |             | 3              |
| JTC 300   | Strategic Writing and Communication (GT-CO3)       |                 |                    | 2           |                |
| CO 301B   | Writing in the Disciplines: Sciences (GT-CO3)      |                 |                    | 2           |                |
| Arts and Humanities ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )                     |  |                 |                    | 3B          | 3              |
| Elective  |  |                 |                    |             | 1-2            |
| AREC 202 and POLS 232 must be completed by the end of Semester 5.   |  | X               |                    |             |                |
| <b>Total Credits</b>  |  |                 |                    |             | <b>14</b>      |
| <b>Semester 6</b>   |  | <b>Critical</b> | <b>Recommended</b> | <b>AUCC</b> | <b>Credits</b> |
| POLS 332/<br>ECON 332   | International Political Economy                    |                 |                    |             | 3              |
| Select two courses from the following:  |  |                 |                    |             | 6              |
| ANTH 310  | Peoples and Cultures of Africa                     |                 |                    |             |                |
| ANTH 312  | Modern Indian Culture and Society                  |                 |                    |             |                |
| ANTH 314  | Southeast Asian Cultures and Societies             |                 |                    |             |                |
| ANTH 446  | New Orleans and the Caribbean                      |                 |                    |             |                |
| SOC 320   | Population-Natural Resources and Environment       |                 |                    |             |                |
| SOC 341   | Sociology of Rural Life                            |                 |                    |             |                |
| SOC 364   | Food, Agriculture and Global Society               |                 |                    |             |                |
| SOC 366   |  |                 |                    |             |                |
| Select one course from the following:   |  |                 |                    |             | 3              |
| STAT 201  | General Statistics (GT-MA1)                        |                 |                    | 1B          |                |
| STAT 301  | Introduction to Applied Statistical Methods        |                 |                    |             |                |
| STAT 307  | Introduction to Biostatistics                      |                 |                    |             |                |
| SOCR 370  | Climate-Smart Irrigation Principles                |                 |                    |             | 2              |
| <b>Total Credits</b>  |  |                 |                    |             | <b>14</b>      |
| <b>Senior</b>   |  |                 |                    |             |                |
| <b>Semester 7</b>   |  | <b>Critical</b> | <b>Recommended</b> | <b>AUCC</b> | <b>Credits</b> |
| SOCR 371  | Irrigation of Field Crops                          | X               |                    |             | 1              |
| SOCR 421  | Agroecosystem Management                           | X               |                    | 4A,4B,4C    | 4              |
| Select two groups from the following:   |  | X               |                    |             | 6              |
| Group A:  |  |                 |                    |             |                |
| BSPM 302  | Applied and General Entomology                     |                 |                    |             |                |
| BSPM 303C   | Entomology Laboratory: Agricultural                |                 |                    |             |                |
| Group B:  |  |                 |                    |             |                |
| BSPM 308  | Ecology and Management of Weeds                    |                 |                    |             |                |
| Group C:  |  |                 |                    |             |                |
| BSPM 361  | Elements of Plant Pathology                        |                 |                    |             |                |

|  |   |                 |                         |                |
|--|---|-----------------|-------------------------|----------------|
| SOCR 492   | Preparing for Impact–Your Career Journey    | X               | 4A                      | 1              |
| Electives  |   |                 |                         | 2-5            |
| <b>Total Credits</b>   |   |                 |                         | <b>17</b>      |
| <b>Semester 8</b>  |   | <b>Critical</b> | <b>Recommended AUCC</b> | <b>Credits</b> |
| AREC 460   | Ag- and Resource-Based Economic Development | X               |                         | 3              |
| BZ 440   | Plant Physiology                            | X               |                         | 3              |
| SOCR 475   | Global Challenges in Plant and Soil Science | X               |                         | 3              |
| Select one course from the following:  |   | X               |                         | 1-3            |
| SOCR 486   | Practicum                                   |                 |                         |                |
| SOCR 487   | Internship                                  |                 |                         |                |
| Electives  |   | X               |                         | 2-5            |
| The benchmark courses for the 8th semester are the remaining courses in the entire program of study. |   | X               |                         |                |
| <b>Total Credits</b>   |   |                 |                         | <b>15-17</b>   |
| <b>Program Total Credits:</b>  |   |                 |                         | <b>120-122</b> |