

# Sterling College

WORKING HANDS. WORKING MINDS.

## Sustainable Agriculture Major Worksheet (Students Entering Fall 2019)

### Sustainable Agriculture Major Requirements (27 credits)

- \_\_\_ INT107 Foundations of Sustainable Agriculture & Food Systems (3 cr, WI)
- \_\_\_ NS200 Watershed Ecosystem Analysis (3 cr) [prereq. NS107A]
- \_\_\_ NS247 Soil, Plants, & Microbes I (3 cr) [prereq. NS107A]
- \_\_\_ INT245 Integrated Farming Practicum (12 cr) comprised of:
  - \_\_\_ INT201 Whole Farm Thinking (3 cr)
  - \_\_\_ INT202 Pasture Systems Management (3 cr)
  - \_\_\_ INT203 Holistic Livestock Husbandry (3 cr)
  - \_\_\_ INT204 Introduction to Crop Production Systems (3 cr)
- \_\_\_ SS312A U.S. Farm & Food Policy (3 cr) [prereq. INT107]
- \_\_\_ INT415 Agroecology (3 cr, WI) [prereq. NS107A and Third-Year Status]

### Concentration Areas

- \_\_\_ At least 17 credits in Agroecology, or
- \_\_\_ At least 17 credits in Integrated Livestock and Crop Production, or
- \_\_\_ At least 18 credits in Woodland Operations, or
- \_\_\_ At least 17 credits in Grow Wild: Integrated Agriculture Studies

### Capstone Courses (6-12 credits)

- \_\_\_ INT422: Senior Year Research Project I (3-6 cr)
- \_\_\_ INT423: Senior Year Research Project II (3-6 cr)

**At Least 50 Total Major Credits**

### Graduation Requirements

- \_\_\_ INT100A A Sense of Place: Expedition I
- \_\_\_ NS107A Foundations of Ecology
- \_\_\_ One additional Foundations Course
- \_\_\_ One additional 400-level seminar course
- \_\_\_ Math Competency (NS050 or waiver)
- \_\_\_ 120 total credits (minimum)
- \_\_\_ Final Q.P.A. of at least 2.0
- \_\_\_ Successful Completion of Work Program
- \_\_\_ 6 Credits in Natural Science
- \_\_\_ 6 Credits in Social Science
- \_\_\_ 6 Credits in Humanities
- \_\_\_ Coursework Designated as Writing-Intensive (6 credits)
  - \_\_\_ 1 200/300-level Writing-Intensive (WI) course
  - \_\_\_ 1 300/400-level Writing-Intensive (WI) course

### Agroecology (17-18 credits)

- \_\_\_ NS348 Soil, Plants and Microbes II (4 cr, WI) [prereq. NS247]
- Choose four courses from the following list:
  - \_\_\_ AS382a Restoration Ecology & Agriculture (3 cr) [prereq. NS107A]
  - \_\_\_ NS301 Field Ecology (4 cr) [prereq. NS107A]
  - \_\_\_ SS308 Introduction to Geographic Information Systems (3 cr)
  - \_\_\_ NS372 Agroforestry (4 cr) [prereq. NS107A]
  - \_\_\_ NS448 Soil, Plants, and Microbes III (3 cr) [prereq. NS348]

### Integrated Livestock and Crop Production (17 credits)

- \_\_\_ AS263 Livestock Project (3 cr) [prereq Integrated Farming Practicum]
- OR
  - \_\_\_ AS262 Garden Project (3 cr) [prereq Integrated Farming Practicum]
  - \_\_\_ SS317 Small Business Management (4 cr)
  - \_\_\_ NS348 Soil, Plants, and Microbes II (4 cr, WI) [prereq. NS107A, NS247]
  - \_\_\_ AS382a Restoration Ecology & Agriculture (3 cr) [prereq. NS107A]
- OR
  - \_\_\_ NS372 Agroforestry (4 cr) [prereq. NS107A]
  - \_\_\_ INT324 Whole Farm Planning (3 cr) [prereq. Integrated Farming Practicum, SS317]
- OR
  - \_\_\_ Farm Planning Component of SYRP

note, if the SYRP farm planning option is taken, an additional 3 credits of Major coursework must be made up with either an additional Livestock or Garden Project, or a SYRP that contains at least 9 credits

### Woodland Operations (18-19 credits)

- Take the following courses:
  - \_\_\_ INT1\*\* Fundamentals of Woodworking (3 cr)
  - \_\_\_ NS235 Natural History of the North Woods (4 cr) [prereq. NS107A]
  - \_\_\_ SS308 Introduction to Geographic Information Systems (3 cr)
- And choose two to three of the following four courses to reach 18 cr for this track:
  - \_\_\_ AS120 Forestry Techniques (2 cr)
  - \_\_\_ AS243 Woodlot Practices (2 cr) [prereq. NS107A]
  - \_\_\_ AS381a Forest Ecology and Management (4 cr) [prereq. NS107A]
  - \_\_\_ NS372 Agroforestry (4 cr) [prereq. NS107A]

### Grow Wild: Integrated Agricultural Studies (17 credits)

note, a Sustainable Agriculture competency based degree plan shall be developed in concert with the student's academic advisor once they have earned 60 credits

### Recommended minor programs

- \_\_\_ Draft Animal Power Systems (14 credits)
- \_\_\_ Education Studies (15 credits)
- \_\_\_ Natural Resource Conservation (15 credits)
- \_\_\_ Sustainable Food Systems (15 credits)
- \_\_\_ Natural History (15 credits)

### Recommended Global Field Studies Courses

- \_\_\_ INT372 Agriculture Adaptations and Climate Change: Chiapas, Mexico (4 cr)
- \_\_\_ INT381B Guatemala: Mesoamerican Food Sovereignty (4 cr)

This worksheet is an advising aid to be used by students and advisors. Note that final degree audits are completed by the Office of Academics through the Sterling College SIS system. Students are required to declare a Major at the beginning of their Junior year. Students without a major declaration on file will not be permitted to enroll for Senior year courses.