

Field Crops Technology (AAS)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

A growing world population and decreased arable land make it extremely important to explore new ways to grow more crops on less land.

The program focuses on sound crop and soil management practices and the wise use of farm resources. Students learn efficient and effective production strategies for the major agronomic crops based on best practices and integrated pest management principles, agricultural business principles and environmentally sound soil management.

For more information about this major, including contact information, please visit our website (<https://cals.ncsu.edu/agricultural-institute/students/majors/#field-crops-technology>).

Dr. Amy Johnson

Program Coordinator

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Website

Plan Requirements

| Code | Title | Hours | Counts towards |
|-----------------------------|---|-------|----------------|
| Orientation | | | |
| CS 101 | Field Crop and Turfgrass Management Orientation | 1 | |
| English | | | |
| WRT 111 | Expository Writing | 3 | |
| WRT 114 | Professional Writing, Research and Reporting | 3 | |
| Mathematics | | | |
| MAA 102 | Mathematics in Agriculture and Related Sciences | 3 | |
| MA 103 | Topics in Contemporary Mathematics | 3 | |
| General Requirements | | | |
| ARE 201 | Introduction to Agricultural & Resource Economics | 3 | |
| ARE 115 | Agribusiness Accounting | 3 | |
| Sociology | | 3 | |

| | | |
|---|--|-----------|
| SOC 203/203A | Current Social Problems | |
| SOC 241/241A | Sociology of Agriculture and Rural Society | |
| GEP US Diversity, Equity, and Inclusion (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-usdei/) | | 3 |
| Physical Education | | |
| GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/) | | 1 |
| Major Requirements | | |
| CS 111 | Field Crop Production | 4 |
| CS 152 | Weed Control in Field Crops | 3 |
| CS 162 | | 1 |
| CS 163 | | 1 |
| CS 164 | | 1 |
| CS 165 | | 1 |
| CS 166 | | 1 |
| CS 167 | | 1 |
| CS 191 | Field Crops Seminar | 2 |
| BAE 133 | Agricultural Tractors and Machinery | 4 |
| ARE Elective | | 3 |
| ARE 104 | Agricultural Business Management | |
| ARE 112 | Agricultural & Agribusiness Marketing | |
| ARE 133 | Agricultural & Environmental Policy | |
| SSC 112 | Principles of Soil Science | 4 |
| SSC 151 | Fertilizers and Soil Fertility | 3 |
| ENT 110 | General Entomology | 3 |
| or ENT 121 | Pesticides and Their Utilization | |
| Free Electives | | |
| Free Electives ¹ | | 6 |
| Total Hours | | 64 |

¹ Courses graded "S" for Satisfactory are allowed. Students should consult their academic advisors to determine which courses fill this requirement.

Semester Sequence

This is a sample.

Freshman Year

| Fall Semester | | Hours |
|---------------|--|-----------|
| WRT 111 | Expository Writing ¹ | 3 |
| MAA 102 | Mathematics in Agriculture and Related Sciences ² | 3 |
| CS 101 | Field Crop and Turfgrass Management Orientation | 1 |
| CS 111 | Field Crop Production | 4 |
| SSC 112 | Principles of Soil Science | 4 |
| Hours | | 15 |

Spring Semester

| | | |
|---|---|-----------|
| WRT 114 | Professional Writing, Research and Reporting ¹ | 3 |
| MA 103A | Topics in Contemporary Mathematics | 3 |
| CS 162 | | |
| CS 166 | | |
| CS 167 | | |
| SSC 151 | Fertilizers and Soil Fertility | 3 |
| GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/) | | 1 |
| Elective | | 3 |
| Hours | | 13 |

Sophomore Year

Fall Semester

| | | |
|-----------------------|---|-----------|
| ARE 201A | Introduction to Agricultural & Resource Economics | 3 |
| BAE 133 | Agricultural Tractors and Machinery | 4 |
| CS 152 | Weed Control in Field Crops | 3 |
| CS 163 | | |
| CS 164 | | |
| CS 165 | | |
| ENT 110 or ENT 121 | General Entomology or Pesticides and Their Utilization | 3 |
| Hours | | 13 |

Spring Semester

| | | |
|--|--|-----------|
| ARE 115 | Agribusiness Accounting | 3 |
| ARE Elective (p. 1) | | 3 |
| CS 191 | Field Crops Seminar | 2 |
| SOC 203 or SOC 241A | Current Social Problems or Sociology of Agriculture and Rural Society | 3 |
| Free Elective | | 3 |
| GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/) | | 3 |
| Hours | | 17 |
| Total Hours | | 58 |

¹ WRT 111 Expository Writing and WRT 114 Professional Writing, Research and Reporting must be completed with a C-minus or higher grade for transfer to an NC State baccalaureate program.

² MAA 102 Mathematics in Agriculture and Related Sciences must be completed with a C- minus or higher grade.