

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>).

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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 Additional Breadth (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/) (Humanities/Social Sciences/Visual and Performing Arts)		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	
MAA 102	Mathematics in Agriculture and Related Sciences ²	
CS 101	Field Crop and Turfgrass Management Orientation	
CS 111	Field Crop Production	
SSC 112	Principles of Soil Science	
Hours		0

Spring Semester

WRT 114	Professional Writing, Research and Reporting ¹	
MA 103A	Topics in Contemporary Mathematics	
CS 162		
CS 166		
CS 167		
SSC 151	Fertilizers and Soil Fertility	
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/)		1
Elective		3
Hours		4

Sophomore Year

Fall Semester

ARE 201A	Introduction to Agricultural & Resource Economics	
BAE 133	Agricultural Tractors and Machinery	
CS 152	Weed Control in Field Crops	
CS 163		
CS 164		
CS 165		
ENT 110 or ENT 121	General Entomology or Pesticides and Their Utilization	
Hours		0

Spring Semester

ARE 115	Agribusiness Accounting	
ARE Elective (p. 1)		3
CS 191	Field Crops Seminar	
SOC 203 or SOC 241A	Current Social Problems or Sociology of Agriculture and Rural Society	
Free Elective		3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		3
Hours		9
Total Hours		13

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.