# 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 2228 Williams Hall

919.515.6968

amjohns2@ncsu.edu (https://cals.ncsu.edu/crop-and-soil-sciences/news/meet-amy-johnson/)

Hours Counts towards

Website

## **Plan Requirements**

Title

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 Require	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 Inclusion (http://c undergraduate/ge requirements/gep	atalog.ncsu.edu/ ep-category-	3
<b>Physical Educat</b>	ion	
GEP Health and Studies (http://ca undergraduate/ge requirements/gep studies/)	talog.ncsu.edu/	1
Major Requirem	ents	
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 <sup>1</sup>		6
Total Hours		64
1 Courses grad	ed "S" for Satisfactory are allowed	d. Students should

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

Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 1!  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/)  Elective Hours 1:  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 General Entomology or ENT 121 or Pesticides and Their Utilization  Hours 1:  Spring Semester  ARE 115 Agribusiness Accounting  ARE Elective (p. 1)  CS 191 Field Crops Seminar  SOC 203 Current Social Problems or Society  Free Elective		Hours	
WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation CS 111 Field Crop Production SSC 112 Principles of Soil Science Hours 115 Spring Semester WRT 114 Professional Writing, Research and Reporting <sup>1</sup> 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/) Elective Hours 1: 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 EINT 110 General Entomology or ENT 121 or Pesticides and Their Utilization Hours 1: Spring Semester ARE 115 Agribusiness Accounting ARE Elective (p. 1) CS 191 Field Crops Seminar SOC 203 Current Social Problems or Sociology of Agriculture and Rural Society Free Elective GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		Houre	17
WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production SSC 112 Principles of Soil Science  Hours 11 Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> 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/) Elective  Hours 1: 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 164 CS 165 ENT 110 General Entomology or ENT 121 or Pesticides and Their Utilization  Hours 1: Spring Semester  ARE 115 Agribusiness Accounting ARE Elective (p. 1) CS 191 Field Crops Seminar SOC 203 Current Social Problems or SOC 241A or Sociology of Agriculture and Rural Society Free Elective GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-	category-requiremen		
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WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 118  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> 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/)  Elective Hours 13  Sophomore Year		Economics	3
WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 11  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> 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/)  Elective Hours 13	•		
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WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 15  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> MA 103A Topics in Contemporary Mathematics  CS 162  CS 166  CS 167  SSC 151 Fertilizers and Soil Fertility	undergraduate/gep-c studies/)	` .	3
WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 19  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> MA 103A Topics in Contemporary Mathematics  CS 162  CS 166  CS 167		· ·	1
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WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 19  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup> MA 103A Topics in Contemporary Mathematics  CS 162	CS 167		
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WRT 111 Expository Writing <sup>1</sup> MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 11  Spring Semester  WRT 114 Professional Writing, Research and Reporting <sup>1</sup>	CS 162		
WRT 111 Expository Writing <sup>1</sup> 3  MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production  SSC 112 Principles of Soil Science  Hours 15  Spring Semester  WRT 114 Professional Writing, Research and 33	MA 103A	, •	3
WRT 111 Expository Writing <sup>1</sup> CMAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation  CS 111 Field Crop Production SSC 112 Principles of Soil Science		, 0	3
WRT 111 Expository Writing <sup>1</sup> Company Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation CS 111 Field Crop Production		Hours	15
WRT 111 Expository Writing <sup>1</sup> 3  MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management Orientation	SSC 112		
WRT 111 Expository Writing <sup>1</sup> 3  MAA 102 Mathematics in Agriculture and Related Sciences <sup>2</sup> CS 101 Field Crop and Turfgrass Management	CS 111		2
WRT 111 Expository Writing <sup>1</sup> 3 MAA 102 Mathematics in Agriculture and Related 3	CS 101	Field Crop and Turfgrass Management	1
•	MAA 102		3
Fall Semester Hours	WRT 111	Expository Writing <sup>1</sup>	(
	Fall Semester		Hours

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.

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