

General Agriculture (AAS)

The general agriculture (GNA) degree offers students the opportunity to get a degree in agriculture without having to focus on one specific area such as horticulture or animal science. The GNA degree also offers the opportunity to concentrate on specific topics. Our GNA students can choose from agribusiness management, field crop production, general livestock management, poultry management, and swine management. These areas of concentration allow students to get the broad spectrum of courses that the GNA degree offers, and also to focus on one area a little more closely. The GNA program also allows for students who come to the Agricultural Institute unsure of their specialty areas a chance to learn about our diverse fields taught here.

To learn more information about this major, including contact information, visit our website (<https://cals.ncsu.edu/agricultural-institute/students/majors/#general-agriculture>).

Contact

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Website

Plan Requirements

Code	Title	Hours
Orientation		
AGI 101	Introduction to the Agricultural Institute	1
English		
WRT 111	Expository Writing ¹	3
WRT 114	Professional Writing, Research and Reporting	3
Mathematics		
MAA 102	Mathematics in Agriculture and Related Sciences ¹	3
MA 103	Topics in Contemporary Mathematics	3
General Requirements		
AGI 191	Professional Development	1
AGI 192	AGI External Learning Experience	3
ARE 201/201A	Introduction to Agricultural & Resource Economics	3
ARE 115	Agribusiness Accounting	3
Select one from:		3
SOC 203A	Current Social Problems	
SOC 241A	Sociology of Agriculture and Rural Society	
Humanities/VPA Elective		3
GEP Humanities (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-humanities/)		
GEP Visual and Performing Arts (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-visual-performing-arts/)		
GEP Health and Exercise Studies (http://catalog.ncsu.edu/undergraduate/gep-category-requirements/gep-health-exercise-studies/) ²		1

Major Requirements

CS 111	Field Crop Production	4
ANS 101	Introduction to Livestock and Poultry Industries	3
ARE 104	Agricultural Business Management	3
SSC 112	Principles of Soil Science	4
ANS/PO Elective		3
CS Elective		3
ARE Elective		3
BAE Elective		3
ENT Restricted Elective		3
Plant Science Elective		3
Free Electives ^{2,3}		2
Total Hours		64

¹ A grade of C- or higher is required.

² Courses graded "S" for Satisfactory are allowed.

³ Students should consult their academic advisors to determine which courses fill this requirement.

ANS/PO Electives

Code	Title	Hours
ANS 102	Animal Feeds and Nutrition	3
ANS 103	Beef Production	3
ANS 104	Swine Production and Management	4
ANS 108	Small Ruminant Production	3
ANS 241/241A	Introduction to Meat and Poultry Processing	3
ANS 242/242A	Value Added Meat and Poultry Processing	3
ANS 243/243A	Meat Safety and Quality Systems	3
PO 162	Livestock and Poultry Disease Management	3
PO 201	Poultry Science and Production	4
PO 202	Poultry Science and Production Laboratory	

ARE Electives

Code	Title	Hours
ARE 106	Agri Business Law	3
ARE 112	Agricultural & Agribusiness Marketing	3
ARE 113	Principles of Salesmanship	3
ARE 121	Agricultural Finance	3
ARE 132	Management of Personnel	3
ARE 141	Personal Financial Management	3

BAE Elective

Code	Title	Hours
BAE 123	Light Equipment Technology	3
BAE 133	Agricultural Tractors and Machinery	4
BAET 135	Introduction to Precision Agriculture	3

CS Electives

Code	Title	Hours
CS 116	Agronomic Crops - Cotton, Peanuts, and Tobacco	3
CS 118	Agronomic Crops - Corn, Small Grains and Soybeans	3

CS 121	Turfgrasses and Their Uses	3
CS 122	Principles of Turfgrass Management	3
CS 151	Forage Production	3
CS 152	Weed Control in Field Crops	3

ENT Electives

Code	Title	Hours
ENT 110	General Entomology	3
ENT 121	Pesticides and Their Utilization	3

Plant Science Electives

Code	Title	Hours
CS 116	Agronomic Crops - Cotton, Peanuts, and Tobacco	3
CS 118	Agronomic Crops - Corn, Small Grains and Soybeans	3
CS 121	Turfgrasses and Their Uses	3
CS 122	Principles of Turfgrass Management	3
CS 151	Forage Production	3
CS 152	Weed Control in Field Crops	3
HS 111	Plant Identification	3
HS 121	Plant Propagation	3
HS 131	Fruit & Vegetable Production	3
HS 141	Greenhouse Crop Production	3
HS 151	Nursery Production	3
HS 162	Landscape Maintenance	3
HS 171	Landscape Construction	3

Semester Sequence

This is a sample.

First Year

Fall Semester	Hours
AGI 101 Introduction to the Agricultural Institute	1
ANS 101 Introduction to Livestock and Poultry Industries	3
MAA 102 Mathematics in Agriculture and Related Sciences	3
SSC 112 Principles of Soil Science	4
WRT 111 Expository Writing	3
Hours	14

Spring Semester

AGI 191 Professional Development	1
ARE 104 Agricultural Business Management	3
MA 103 Topics in Contemporary Mathematics	3
WRT 114 Professional Writing, Research and Reporting	3
SOC 203 Current Social Problems	3
or SOC 241 or Sociology of Agriculture and Rural Society	
CS Elective (http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/agricultural-institute/general-agriculture-aas/CS-Electives/)	3
Hours	16

Second Year

Fall Semester

AGI 192	AGI External Learning Experience	3
ARE 115	Agribusiness Accounting	3
CS 111	Field Crop Production	4
ANS/PO Elective		3
ARE Elective		3
Entomology Elective		3
Hours		19

Spring Semester

ARE 201A	Introduction to Agricultural & Resource Economics	3
BAE Elective		3
Plant Science Elective		3
GEP - US Diversity		3
GEP - Health and Exercise Science		1
Free Electives		2
Hours		15
Total Hours		64

- ¹ MAA 102 Mathematics in Agriculture and Related Sciences must be completed with a C- minus or higher grade.
- ² 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.
- ³ If BAE 123 Light Equipment Technology is taken, student must take one additional credit hour of free electives.

Career Opportunities

Career Titles

- Farm Management
- Machinery and Equipment Sales
- Agricultural Chemical Distribution

Learn More About Careers

NCcareers.org (<https://nccareers.org/>)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (<https://www.bls.gov/ooh/>)

Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (<https://www.careeronestop.org/>)

View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (<https://careers.dasa.ncsu.edu/explore-careers/career-assessments/>) (NC State student email address required)

This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an

account. Make an appointment with your career counselor (<https://careers.dasa.ncsu.edu/about/hours-appointments/>) to discuss the results.