The College of Agriculture, Forestry and Life Sciences (CAFLS) supports Clemson University’s land-grant mission to provide education, research, and service to the public. The College of Agriculture, Forestry and Life Sciences serves more than 2,000 graduate and undergraduate students.

The College of Agriculture, Forestry and Life Sciences is a multi-disciplinary college of life-based sciences that prepares students to be leaders and innovators in their chosen careers. The shared biological foundation of the CAFLS Departments stimulates student learning and undergraduate research across disciplines, increases opportunities for team-based faculty research across departments, colleges and institutions; and makes available the latest scientific knowledge for the greater benefit of society.

To assist students in achieving these goals, the William B. Bookhart Jr. Student Services Center provides academic advising and developmental services to promote success for students in the related degree programs. These services involve recruitment and retention, academic advising, multicultural affairs, study abroad, career development, and placement.

The College of Agriculture, Forestry and Life Sciences is impacting the world one graduate at a time—from cell research to food production to packaged materials to the globe—developing partnerships for the future to make the world greener, healthier, tastier, and wealthier.

Modern Language Requirement
A number of Clemson University degree programs require the completion of a modern language through a specific course level. Modern languages taught at Clemson University or accepted for transfer credit include American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian and Spanish. While many degree programs accept any of these modern languages for the requirement, certain programs may have specific modern language requirements. Students should consult their program’s curriculum map for details.

AGRICULTURE, FORESTRY AND LIFE SCIENCES

The program provides an excellent background for inquiry student research teams and to take advantage of an internship and/or study abroad opportunity. Students are encouraged to participate on a creative inquiry student research team and to take advantage of an internship and/or study abroad opportunity. The program provides an excellent background for professional or graduate study in several disciplines.

Freshman Year
First Semester
- AGRB 2050 Agriculture and Society
- MATH 1020 Business Calculus I
- STAT 2220 Statistics in Everyday Life
- Natural Science Requirement
- Oral Communication Requirement
- 16

Second Semester
- AGRB 2020 Agricultural Economics
- ENGL 1030 Accelerated Composition
- STAT 2300 Statistical Methods I
- Arts and Humanities (Non-Lit.) Requirement
- Elective
- 15

Sophomore Year
First Semester
- ACCT 2010 Financial Accounting Concepts
- AGRB 3020 Economics of Farm Management
- MGT 2010 Principles of Macroeconomics
- AGRB 2050 Agriculture and Society
- Arts and Humanities (Literature) Requirement
- Elective
- 15

Second Semester
- ACCT 2020 Managerial Accounting Concepts
- AGRB 3570 Natural Resource Economics
- Leadership Requirement
- Minor Requirement
- Social Science Requirement
- 15

Junior Year
First Semester
- AGRB 3080 Quantitative Analysis I
- AGRB 3090 Econ. of Agricultural Marketing
- ECON (MGT) 3060 Managerial Economics or
- ECON 3140 Intermediate Microeconomics
- ENGL 3140 Technical Writing
- Minor Requirement
- 15

Second Semester
- AGRB 3190 Agribusiness Management
- AGRB 3510 Principles of Advertising
- AGRB 4210 Globalization or
- ECON 3100 International Economy
- ECON 3020 Money and Banking or
- ECON 3150 Intermediate Macroeconomics
- Minor Requirement
- 15

Senior Year
First Semester
- AGRB 4090 Commodity Futures Markets
- AGRB 4120 Regional Economic Dev.
- AGRB 4600 Agricultural Finance
- LAW 3220 Legal Environment of Business
- Minor Requirement
- 15

Second Semester
- AGRB 4080 Quantitative Analysis II
- AGRB 4520 Agribusiness Policy
- AGRB 4560 Prices
- Internship, Creative Inquiry or Selected Topics
- Minor Requirement
- 15

121 Total Semester Hours

See General Education Requirements.
Select from AGED 3530, 4150
See CAFLS approved minors on page 55
AGR 4900, 4910, 4940

AGRICULTURAL EDUCATION
Bachelor of Science
Agricultural Education provides broad preparation in agricultural sciences and professional education, including communications and human relations skills. In addition to required courses, students may select a minor (see page 55).

The Bachelor’s degree prepares students for professional education positions in the mainstream of agriculture, including teaching, cooperative extension service, and government agricultural agencies. The Agricultural Education degree also prepares students for other educational work, such as agricultural missionary, public relations, and training officers in agricultural industry.

In consultation with the departmental advisor, students choose one of the following emphasis areas: Communications, Leadership, or Teaching.

Admission to Teaching Emphasis Students
Professional application to the professional level of a program is processed during the term in which a candidate is to complete 60 semester hours of work. At that time, the candidate is notified of his/her status. Prior to admission, the candidate must have passed all areas of the Praxis CORE and have a minimum cumulative grade point average of 2.75. A candidate may exempt the CORE by meeting minimum ACT or SAT requirements as determined by the South Carolina Department of Education.

Directed Teaching/Teaching Internship
A candidate shall apply to the field experience director prior to the semester in which block methods courses are scheduled. The following conditions must be met prior to registration for directed teaching: admission to the professional level of a program; completion of at least 95 semester hours; (3) a minimum cumulative grade point average of 2.75.

Directed Teaching/Teaching Internship — A candidate shall apply to the field experience director prior to the semester in which block methods courses are scheduled. The following conditions must be met prior to registration for directed teaching: admission to the professional level of a program; completion of at least 95 semester hours; (3) a minimum cumulative grade point average of 2.75.
Freshman Year
First Semester
1 - AGED 1020 Agric. Ed. Freshman Seminar
3 - AGED 3650 Multiculturalism in Agric. Ed.
3 - AVS 1500 Introduction to Animal Science
1 - AVS 1510 Introduction to Animal Science Lab.
3 - BIO L 1030 General Biology I
1 - BIO L 1050 General Biology Lab. I
3 - HORT 1010 Horticulture
3 - MATH 1010, 1020, 1060, 1080, or 2070

Second Semester
1 - AGED 1000 Orientation and Field Experience
3 - AGM 2050 Principles of Fabrication
3 - BIO L 1040 General Biology II
1 - BIO L 1060 General Biology Lab. II
3 - ENGL 1030 Accelerated Composition
6 - Social Science Requirement1

Sophomore Year
First Semester
3 - AGED 2010 Intro. to Agricultural Education
3 - AGED 2040 Applied Agriculture Calculations
3 - BT 2200 Biosystems Technology I
4 - CH 1010 General Chemistry
3 - HORT 2120 Introduction to Turfgrass Culture
1 - HORT 2130 Turfgrass Culture Lab.

Second Semester
4 - CH 1020 General Chemistry
1 - COMM 1010 Communication Academic and Professional Development I
3 - EDSP 3700 Introduction to Special Education
3 - PHYS 2070 General Physics I
3 - STAT 2300 Statistical Methods I
3 - Technical Requirement1

Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
4 - COMM 2010 Intro. to Communication Studies
4 - PES 2020 Soils
3 - Arts and Humanities (Non-Lit.) Requirement2

Second Semester
3 - EDF 3020 Educational Psychology
3 - ENR 3020 Natural Resources Measurements
3 - HORT 4040 Plant Propagation
1 - HORT 4050 Plant Propagation Techniques Lab.
3 - Oral Communication Requirement1
1 - Technical Requirement1

Senior Year
First Semester
3 - ENGL 2310 Introduction to Journalism
3 - HORT 3030 Landscape Plants
3 - Arts and Humanities (Literature) Requirement2
6 - Departmental Communication Requirement1
3 - Technical Requirement1

Second Semester
12 - AGED 4070 Internship in Extension and Leadership Education5

Senior Year
First Semester
3 - AGED 4150 Leadership of Volunteers
3 - AGED 4160 Ethics and Issues in Agriculture and the Food and Fiber System
3 - MGT 2010 Principles of Management
3 - Arts and Humanities (Literature) Requirement2
3 - Technical Requirement1

Second Semester
12 - AGED 4070 Internship in Extension and Leadership Education5

Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
3 - HORT 3030 Landscape Plants
3 - AGM 2210 Surveying
4 - PES 2020 Soils
3 - Advanced Writing Requirement2

Second Semester
3 - EDF 3020 Educational Psychology
3 - ENR 3020 Natural Resources Measurements
3 - HORT 4040 Plant Propagation
1 - HORT 4050 Plant Propagation Techniques Lab.
3 - Oral Communication Requirement1
1 - Technical Requirement1

Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
3 - HORT 3030 Landscape Plants
3 - AGM 2210 Surveying
4 - PES 2020 Soils
3 - Advanced Writing Requirement2

Second Semester
3 - AGED 4160 Ethics and Issues in Agriculture and the Food and Fiber System
3 - EDF 3020 Educational Psychology
3 - ENR 3020 Natural Resources Measurements
3 - HORT 4040 Plant Propagation
1 - HORT 4050 Plant Propagation Techniques Lab.
3 - Oral Communication Requirement1
AGRICULTURAL MECHANIZATION AND BUSINESS

Bachelor of Science

The Agricultural Mechanization and Business major provides a program for students who desire training in areas relevant to dynamic agricultural enterprises. The program is organized with strength in both business management and technical support of agriculture and agribusiness. To produce well-rounded individuals with good communication skills, the curriculum includes courses in the humanities, social sciences, English composition, and public speaking.

Graduates in Agricultural Mechanization and Business find meaningful and remunerative employment in a variety of situations directly and indirectly related to agricultural production, processing, marketing, and the many services connected therewith. Farming and technical sales in the agricultural, industrial, and heavy equipment industries are frequently chosen careers.

By completing this curriculum, graduates will have fulfilled the requirements for an Agricultural Business Management minor or other selected minor. Contact the Enrollment Services Office to have the minor recorded.

Additional information is available from the departmental offices or can be found at www.clemson.edu/cafls/safes/agmec/index.html.

Freshman Year

First Semester
1 - AGED 4000 Supervised Field Experience I
2 - AGED 4010 Instructional Methods in Ag. Ed.
3 - AGED 4030 Principles of Adult/Ext. Education
4 - AGED 4230 Curruculum
5 - EDLT 4980 Secondary Content Area Reading
6 - Arts and Humanities (Literature) Requirement

Sophomore Year

First Semester
3 - AGM 2190 Agribusiness and Food Systems
4 - AGM 2210 Surveying
2 - ENGR 2080 Engineering Graphics and Machine Design
2 - ENGR 2090 Introduction to Engineering Computer Graphics
2 - ENGR 2100 Comp. Aided Design/Engr. Apps.
4 - PHYS 2000 Introductory Physics
3 - PHYS 2070 General Physics I
1 - PHYS 2090 General Physics Lab.

Second Semester
3 - AGM 2060 Machinery Management
3 - AGM 2200 Calculations for Mechanized Agric.
4 - CH 1020 General Chemistry
3 - Arts and Humanities (Literature) Requirement
3 - Plant/Crop Science Requirement

Junior Year

First Semester
3 - AGM 3900 Soil and Water Conservation
3 - AGM 3790 Agribusiness Decision Analysis
3 - AGM 4600 Electrical Systems
3 - AGRB 3020 Economics of Farm Management
3 - MGT 2010 Principles of Management
4 - PES 2020 Soils

Second Semester
3 - AGM 4020 Drainage and Irrigation
3 - AGM 4520 Mobile Power
3 - COM M 1500 Intro. to Human Comm. or
3 - COM M 2500 Public Speaking
3 - Arts and Humanities (Non-Lit.) Requirement
3 - Minor Requirement

Senior Year

First Semester
3 - AGM 4000 Senior Seminar in Agricultural Mechanization and Business
3 - AGM 4500 Environmental Control in Animal Structures
3 - AGM 4060 Mechanical and Hydraulic Systems
3 - AGRB 3190 Agribusiness Management
3 - MGT 2010 Principles of Management
3 - AGRB 3090 Econ. of Agricultural Marketing
3 - MKT 2010 Principles of Marketing
3 - Minor Requirement

Second Semester
3 - AGM 4100 Precision Agriculture Technology
3 - AGM 4760 Capstone
3 - Minor Requirement
3 - Plant/Crop Science or Soil Science Requirement
3 - Social Science Requirement

Change of Major into Animal and Veterinary Sciences

Students who change majors into Animal and Veterinary Sciences must have a 2.5 minimum cumulative grade point average.