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 3,800 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.

AGRIBUSINESS

Bachelor of Science

The Agribusiness curriculum provides strong training in economic and business principles as applied in agribusiness enterprises. Core classes in the major focus on agribusiness economics and management, leadership, marketing and sales, finance, accounting, and business skill development. Employment opportunities for graduates are many and diverse. Private sector opportunities include national and international careers in agribusiness management, banking, finance, sales, marketing, and public relations. Public sector opportunities include positions in organizations that promote food, agriculture, and natural resource interests; government agencies; and educational institutions. Moreover, the curriculum design provides graduates with the skills necessary to successfully establish their own businesses. By completing this curriculum, graduates will have fulfilled the requirements for an approved minor in the college, allowing students to tailor the program to meet specific career objectives.

The curriculum also emphasizes training on globalization, information technology, and interdisciplinary skills needed to analyze the complex interrelationships between business, the environment and society. 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

<table>
<thead>
<tr>
<th>First Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - AGRB 2050 Agriculture and Society</td>
</tr>
<tr>
<td>3 - MATH 1020 Intro. to Mathematical Analysis</td>
</tr>
<tr>
<td>3 - STAT 2220 Statistics in Everyday Life</td>
</tr>
<tr>
<td>4 - Natural Science Requirement¹</td>
</tr>
<tr>
<td>3 - Oral Communication Requirement²</td>
</tr>
</tbody>
</table>

Second Semester

| 3 - AGRB 2020 Agricultural Economics |
| 3 - ENGL 1030 Accelerated Composition |
| 3 - STAT 2300 Statistical Methods I |
| 3 - Arts and Humanities (Non-Lit.) Requirement¹ |
| 3 - Elective |

Sophomore Year

<table>
<thead>
<tr>
<th>First Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - ACCT 2010 Financial Accounting Concepts</td>
</tr>
<tr>
<td>3 - AGRB 3020 Economics of Farm Management</td>
</tr>
<tr>
<td>3 - ECON 2120 Principles of Macroeconomics</td>
</tr>
<tr>
<td>3 - MGT 2010 Principles of Management</td>
</tr>
<tr>
<td>3 - Arts and Humanities (Literature) Requirement¹</td>
</tr>
</tbody>
</table>

Second Semester

| 3 - ACCT 2020 Managerial Accounting Concepts |
| 3 - AGRB 3570 Natural Resource Economics |
| 3 - Leadership Requirement¹ |
| 3 - Minor Requirement¹ |
| 3 - Social Science Requirement¹ |

Junior Year

<table>
<thead>
<tr>
<th>First Semester</th>
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</thead>
<tbody>
<tr>
<td>3 - ACM 3190 Agribusiness Decision Analysis</td>
</tr>
<tr>
<td>3 - AGRB 3090 Econ. of Agricultural Marketing or</td>
</tr>
<tr>
<td>3 - MKT 3010 Principles of Marketing</td>
</tr>
<tr>
<td>3 - ECON (MGT) 3060 Managerial Economics or</td>
</tr>
<tr>
<td>3 - ECON 3140 Intermediate Microeconomics</td>
</tr>
<tr>
<td>3 - ENGL 3140 Technical Writing</td>
</tr>
<tr>
<td>3 - Minor Requirement¹</td>
</tr>
</tbody>
</table>

Second Semester

| 3 - AGRB 3190 Agribusiness Management |
| 3 - AGRB 4080 Quantitive Applied Economics |
| 3 - AGRB 4210 Globalization or |
| 3 - ECON 3020 International Economy |
| 3 - ECON 3020 Money and Banking or |
| 3 - ECON 3510 Intermediate Macroeconomics |
| 3 - Minor Requirement¹ |

Senior Year

<table>
<thead>
<tr>
<th>First Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - AGRB 4090 Commodity Futures Markets</td>
</tr>
<tr>
<td>3 - AGRB 4120 Regional Economic Dev.</td>
</tr>
<tr>
<td>3 - AGRB 4600 Agricultural Finance</td>
</tr>
<tr>
<td>3 - LAW 3220 Legal Environment of Business</td>
</tr>
<tr>
<td>3 - Minor Requirement¹</td>
</tr>
</tbody>
</table>

Second Semester

| 3 - AGRB 4020 Production Economics |
| 3 - AGRB 4520 Agricultural Policy |
| 3 - AGRB 4560 Prices |
| 3 - Internship, Creative Inquiry or Selected Topics³ |
| 3 - Minor Requirement¹ |

121 Total Semester Hours

¹See General Education Requirements.
²Select from AGED 3550, 4150.
³See CAFLS approved minors.

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 63).

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: (1) admission to the professional level of a program; (2) 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
2 - AGED 3650 Multiculturalism in Agric. Ed.
3 - AVS 1500 Introduction to Animal Science
4 - AVS 1510 Introduction to Animal Science Lab.
5 - BIOL 1030 General Biology I
6 - BIOL 1050 General Biology Lab. I
7 - HORT 1010 Horticulture
8 - Mathematics Requirement
18
Second Semester
1 - AGED 1000 Orientation and Field Experience
2 - AGM 2050 Principles of Fabrication
3 - BIOL 1040 General Biology II
4 - BIOL 1060 General Biology Lab. II
5 - ENGL 1030 Accelerated Composition
6 - Social Science Requirement
17
Sophomore Year
First Semester
3 - AGED 2010 Intro. to Agricultural Education
4 - AGED 2040 Applied Agriculture Calculations
5 - BT 2200 Biosystems Technology I
6 - CH 1010 General Chemistry
7 - HORT 2120 Introduction to Turfgrass Culture
8 - HORT 2130 Turfgrass Culture Lab.
17
Second Semester
4 - CH 1020 General Chemistry
3 - BT 2200 Biosystems Technology I
3 - AGED 2040 Applied Agriculture Calculations
3 - AGED 2010 Intro. to Agricultural Education
3 - AGM 2210 Surveying
3 - ENGL 1030 Accelerated Composition
3 - Technical Requirement
16-17
3 - See General Education Requirements. Three of these credit hours must also satisfy the Cross-Cultural Awareness Requirement. Note: ANTH 2010, GEOG 1030 or HIST 1730 is recommended to satisfy the Social Science Requirement.
1 - Required of students in Communications Emphasis Area only.
2 - See advisor.

COMMUNICATIONS EMPHASIS AREA
Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
3 - HORT 3030 Landscape Plants
3 - PES 2020 Soils
3 - Advanced Writing Requirement
3 - Arts and Humanities (Non-Lit.) and Science and Technology in Society Requirement
19
Second Semester
3 - ENGL 2310 Introduction to Journalism
3 - HORT 3030 Landscape Plants
3 - ENR 3020 Natural Resources Measurements
3 - Oral Communication Requirement
3 - Technical Requirement
18
Second Semester
12 - AGED 4070 Internship in Extension and Leadership Education
12
134–135 Total Semester Hours

See General Education Requirements. This course must also satisfy the Science and Technology in Society Requirement.
ENGL 3040 or 3140 is recommended.
See advisor.

LEADERSHIP EMPHASIS AREA
Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
3 - HORT 3030 Landscape Plants
4 - PES 2020 Soils
3 - Advanced Writing Requirement
3 - Arts and Humanities (Non-Lit.) and Science and Technology in Society Requirement
19
Second Semester
3 - EDF 3020 Educational Psychology
3 - ENR 3020 Natural Resources Measurements
3 - HORT 4040 Plant Propagation
3 - HORT 4050 Plant Propagation Techniques Lab.
3 - Oral Communication Requirement
3 - Technical Requirement
16

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 - Technical Requirement
18
Second Semester
12 - AGED 4070 Internship in Extension and Leadership Education
12
134–135 Total Semester Hours
ENGL 3040 or 3140 is recommended.
See General Education Requirements. COMM 1500 or 2500 is recommended.
See advisor.

TEACHING EMPHASIS AREA
Junior Year
First Semester
3 - AGED 3030 Mechanical Technology for Agriculture Education
3 - AGM 2210 Surveying
3 - HORT 3030 Landscape Plants
4 - PES 2020 Soils
3 - Advanced Writing Requirement
16
Second Semester
3 - AGED 4160 Ethics and Issues in Agriculture and the Food and Fiber System
3 - ENR 3020 Natural Resources Measurements
3 - HORT 4040 Plant Propagation
1 - HORT 4050 Plant Propagation Techniques Lab.
3 - Oral Communication Requirement
16

Senior Year
First Semester
1 - AGED 4000 Supervised Field Experience II
3 - AGED 4010 Instructional Methods in Ag. Ed.
3 - AGED 4030 Principles of Adult/Ext. Education
3 - AGED 4230 Curriculum
3 - Arts and Humanities (Literature) Requirement
3 - Arts and Humanities (Non-Lit.) and Science and Technology in Society Requirement
16
Second Semester
12 - AGED 4060 Directed Teaching
2 - AGED 4250 Teaching Agricultural Mechanics
14
130–131 Total Semester Hours
ENGL 3040 or 3140 is recommended.
See General Education Requirements. COMM 1500 or 2500 is recommended.
See advisor.

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 agricultural 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.