

DEPARTMENT OF AGRICULTURE BACHELOR OF SCIENCE AGRIBUSINESS MAJOR PLANT & SOIL SCIENCE OPTION

Effective Fall Semester 2009

The BS in Agribusiness/Plant & Soil Science Option prepares students for scientific and technical careers related to field crops, precision agriculture, soils, farm management, sales, marketing, finance, policy, production, consulting, and related areas. It can also provide the basis for graduate work leading to a MS or PhD. This option is designed for students who complete all four years at Southeast and for students transferring to Southeast with an AA degree.

CURRICULUM CHECKLIST

UNIVERSITY STUDIES (53 hours)

| | |
|---|---|
| <input type="checkbox"/> UI 100 First Year Seminar | 3 |
| <input type="checkbox"/> Artistic Expression | 3 |
| <input type="checkbox"/> Literary Expression | 3 |
| <input type="checkbox"/> Oral Expression | 3 |
| <input type="checkbox"/> EN 100 English Composition | 3 |
| <input type="checkbox"/> Written Expression | 3 |
| <input type="checkbox"/> Behavioral Systems | 3 |
| <input type="checkbox"/> Living Systems | 3 |
| <input type="checkbox"/> MA 134 College Algebra (Logical Systems) | 3 |
| <input type="checkbox"/> CH 181 Basic Principles of Chemistry OR CH 185 General Chemistry I (Physical Systems) | 5 |
| <input type="checkbox"/> Development of a Major Civilization | 3 |
| <input type="checkbox"/> Economics Systems | 3 |
| <input type="checkbox"/> Political Systems | 3 |
| <input type="checkbox"/> Social Systems | 3 |
| <input type="checkbox"/> UI 3xx Interdisciplinary University Studies Course (UI344 recommended) | 3 |
| <input type="checkbox"/> UI 3xx Interdisciplinary University Studies Course | 3 |
| <input type="checkbox"/> UI 436 Agricultural Ethics- University Studies Senior Seminar | 3 |
| <input type="checkbox"/> MAPP Academic Proficiency & Progress Test (to be taken after completing 75 hours) | 0 |
| <input type="checkbox"/> WP003 Writing Proficiency Exam (to be taken after completing 75 hours) | 0 |
| <input type="checkbox"/> CL001 <input type="checkbox"/> CL002 <input type="checkbox"/> CL003 <input type="checkbox"/> CL004 Career Linkages Requirements | 0 |

AGRIBUSINESS CORE (37 Hours)

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|---|---|
| <input type="checkbox"/> AC 221 Principles of Accounting I | 3 |
| <input type="checkbox"/> AD 101 Introduction to Microcomputer Applications | 3 |
| <input type="checkbox"/> AG 245 Agricultural Economics | 3 |
| <input type="checkbox"/> AG 250 Agribusiness Management | 3 |
| <input type="checkbox"/> AG 334 Agribusiness Finance | 3 |
| <input type="checkbox"/> AG 355 Agriculture Seminar | 1 |
| <input type="checkbox"/> AG 447 Marketing of Agricultural Products | 3 |
| <input type="checkbox"/> AG 465 Agriculture Internship or AG 469 Undergraduate Research | 3 |
| <input type="checkbox"/> AG 470 Agribusiness Sales | 3 |
| <input type="checkbox"/> AO 120 Plant Science | 3 |
| <input type="checkbox"/> AO 125 Plant Science | 1 |
| <input type="checkbox"/> AY 101 Animal Science | 3 |
| <input type="checkbox"/> HO 130 Plant Identification and Use I | 3 |

PLANT & SOIL SCIENCE OPTION (30 Hours)

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|--|---|
| <input type="checkbox"/> AG 440 Precision Agriculture | 3 |
| <input type="checkbox"/> AO 215 Soils | 3 |
| <input type="checkbox"/> AO 260 Integrated Pest Management | 3 |
| <input type="checkbox"/> AO 323 Plant Pathology | 3 |
| <input type="checkbox"/> AO 327 Sustainable Agriculture | 3 |
| <input type="checkbox"/> AO 401 Ag & Natural Resource Management | 3 |
| <input type="checkbox"/> AO 420 Crop Physiology | 3 |
| <input type="checkbox"/> AO 427 Soil Fertility & Plant Nutrition | 3 |
| <input type="checkbox"/> AO 444 Principles of Plant Breeding | 3 |
| <input type="checkbox"/> AO 480 Crop Production | 3 |
| <input type="checkbox"/> AY 105 Animal Science Experience | 2 |

SUGGESTED PROGRAM OF STUDY
BS in Agribusiness/Plant & Soil Science
Effective Fall Semester 2009

The suggested program rotation below does not include AG-465 Agriculture Internship or AG 469 Undergraduate Research even though one of these is required for graduation. These experiential-learning courses are often completed during a summer term, which is how the following class-rotation schedule is presented. Adjustments can be made depending on student internships and other factors that require variations. These should be made in collaboration with your academic advisor. This program is designed for students who complete all four years at Southeast. Transfer students should consult the Transfer Handbook developed by Southeast and your community college for a suggested program of study appropriate for your situation, or consult with your Southeast advisor.

FRESHMAN FALL SEMESTER (15 hrs)

AO 120/125 Plant Science (4)
AY 101/105 Animal Science (5)
EN 100 English Composition (3)
UI 100 First Year Seminar (3)
CL001 Career Linkages 1st Requirement

SOPHOMORE FALL SEMESTER (14 hrs)

AO 260 Integrated Pest Management (3)
CH181 Bas Prin Chem/CH185 Gen Chem I (5)
EN 140 Rhetorical & Critical Thinking (3)
Literary Expression (3)

JUNIOR FALL SEMESTER (15 hrs)

AO 323 Plant Pathology (3)
AG 440 Precision Agriculture (3)
Political Systems (3)
Economics Systems (3)
Development of a Major Civilization (3)
CL003 Career Linkages 3rd Requirement

SENIOR FALL SEMESTER (15 hrs)

AG 447 Marketing Agricultural Products (3)
AO 327 Sustainable Agriculture (3)
AO 427 Soil Fertility and Plant Nutr (3)
Social Systems (3)
UI-3xx Interdisciplinary University Studies (3)
CL004 Career Linkages 4th Requirement

FRESHMAN SPRING SEMESTER (15 hrs)

AG 245 Agricultural Economics (3)
HO 130 Plant Identification and Use I (3)
MA 134 College Algebra (3)
AD 101 Intro to Microcomputer Applications (3)
Behavioral Systems (3)
CL002 Career Linkages 2nd Requirement

SOPHOMORE SPRING SEMESTER (15 hrs)

AC 221 Principles of Accounting I (3)
AG 250 Agribusiness Management (3)
AO 215/015 Soils (3)
Artistic Expression (3)
Oral Expression (3)

JUNIOR SPRING SEMESTER (16 hrs)

AG 334 Agribusiness Finance (3)
AG 355 Agriculture Seminar (1)
AG 470 Agribusiness Sales (3)
AO 420 Crop Physiology (3)
UI 3xx Interdisciplinary University Studies (3)
Living Systems (3)
WP003 Writing Proficiency Exam
MAPP Academic Proficiency & Progress Test

SENIOR SPRING SEMESTER (12 hrs)

AO 401 Ag & Natural Resource Mgmt (3)
AO 444 Plant Breeding (3)
AO 480 Crop Production (3)
UI 436 Agricultural Ethics (Univ Studies Senior Seminar; 3)

120 Hours