



## Bachelor of Science (BS)

# Agriculture Industry Option

Like most of our world, agriculture has changed dramatically and is infinitely more complex than most people can imagine. Today, most agriculture is seen as a technology-based industry that includes production, agriscience and agribusiness. Not only are agriculture graduates in demand to produce food, but also to package and transport it, market it, regulate its production and finance it. Agriculture graduates play key roles in planning for the efficient and safe future of our water supply, land and other natural resources.

The Agribusiness: Agriculture Industry major is designed for those who are transferring from a two-year program to this four-year.

The Agriculture Industry options allows students to choose 30 hours of agriculture courses (agriculture, agronomy, animal science, and/or horticulture), in consultation with an advisor, to supplement the agribusiness core courses. Students receive personal curriculum advisement from their advisor to help them prepare for the career field of their interest.

### Your Home Department...

/ The Agriculture Department has a high number of scholarships, last year awarding more than \$650,000 to students.

/ Faculty sponsor nine Agriculture clubs to help students develop leadership skills and serve the community.

/ All Agriculture Department facilities employ eager students to expand experiential learning and facilitate career readiness.

### Becoming Career Ready...

/ Faculty with experience in various agribusiness areas work closely with students by providing them with faculty-mentored guidance and professional development opportunities. Students receive personal curriculum advisement from their advisor.

/ The Agriculture Industry option prepares graduates for positions in management, sales, marketing, finance, policy, and related areas in the agricultural and food systems also provides an excellent basis for graduate studies. Example job titles include agricultural consultant, farm manager, sales rep, grain merchandiser and agricultural lender.

/ 100% of Southeast programs offer real-world experience. Agribusiness students earn this experience through a required internship or research project. Agribusiness students are also able to gain valuable hands-on experience in the classroom and at the departmental facilities.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

### Career Opportunities for Graduates:

- Agriculture Sales Representative
- Area Marketing Manager
- Assistant Farm Manager
- Bank Examiner
- Crop & Pest Advisor
- Extension Agent
- Farm Manager
- Field Inspector
- Food Production Manager
- Grain Marketing & Sales
- Loan Officer
- Operations Manager
- Production Representative
- Quality Control Analyst
- Research Technician
- Winemaker

### Facilities

The department is committed to providing a variety of experiential-learning opportunities for students majoring in Agribusiness.

Students can gain experience at the following facilities:

- David M. Barton Agriculture Research Center,
- Charles L. Hutson Horticulture Greenhouse,
- Missouri Rice Research Farm,
- Charles Nemanick Alternative Agriculture Garden, and
- With individual faculty members on projects.

For more information on the facilities, please visit the facilities website: <http://www.semo.edu/agriculture/facilities.htm>

### Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at [semo.edu/transferecredit](http://semo.edu/transferecredit).



**To learn more**  
 Office of Admissions  
 (573) 651-2590  
[admissions@semo.edu](mailto:admissions@semo.edu)  
[semo.edu](http://semo.edu)

**To explore**  
 the College of Science,  
 Technology, Engineering and  
 Mathematics online, visit  
[semo.edu/stem](http://semo.edu/stem)

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This is a guide based on the 2019-2020 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

### CURRICULUM CHECKLIST

#### Agribusiness: Agriculture Industry Option – 70 Hours – No Minor Required

##### Required Courses:

- \_\_\_ AC221 Principles of Accounting I (3)  
AND
- \_\_\_ MI101 Introduction to Computer Applications (3)  
OR
- \_\_\_ AG208 Agriculture Business Data Analysis (3)  
AND
- \_\_\_ AG381 Agribusiness Management II (3)
- \_\_\_ AG245 Agricultural Economics (3)
- \_\_\_ AG250 Agribusiness Management (3)
- \_\_\_ AG334 Agribusiness Finance (3)
- \_\_\_ AG355 Agriculture Seminar (1)
- \_\_\_ AG447 Marketing of Agricultural Products (3)
- \_\_\_ AG465 Agriculture Internship (3)  
OR
- \_\_\_ AG469 Undergraduate Research (3)
- \_\_\_ AG470 Agribusiness Sales (3)
- \_\_\_ AO120 Plant Science (3)
- \_\_\_ AO125 Plant Science Lab (1)
- \_\_\_ AY101 Animal Science (3)
- \_\_\_ HO110 Intro to Horticulture (3)
- \_\_\_ UI436 Agricultural Ethics (3)

##### Agriculture Industry Option

30 hours by advisement based on student plans/background, selected from AG, AO, AY, HO prefix courses or may include AAS Agriculture degree courses transferred to Southeast.

##### Additional Requirements

Some courses may fulfill General Education requirements.

- \_\_\_ CH181 Basic Principles of Chemistry (5)  
OR
- \_\_\_ CH185 General Chemistry (5)
- \_\_\_ MA116 Precalculus A (3)

**General Education Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

### SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	3	AG208 or MI101	3
	EN100	3	AG245	3
	AO120/125	4	MA116	3
	AY101	3	General Education	3
	HO110	3	General Education	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>	

<b>SECOND YEAR</b>	CH181 or CH185	5	AC221 or AG381	3
	Agriculture Elective	3	AG250	3
	General Education	3	General Education	3
	General Education	3	General Education	3
			Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>	

<b>THIRD YEAR</b>	Agriculture Elective	3	AG334	3
	General Education	3	AG470	3
	General Education	3	Agriculture Elective	3
	General Education	3	Agriculture Elective – 300-500 level	3
	Elective	2	Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>	

<b>FOURTH YEAR</b>	AG447	3	AG355	1
	Agriculture Elective	3	UI436	3
	Agriculture Elective	3	Agriculture Elective	3
	Agriculture Elective – 300-500 level	3	Agriculture Elective	3
	Elective	3	Agriculture Elective – 300-500 level	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>	

<b>SUMMER SESSION</b>	AG465 or AG469	<b>3</b>
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**Degree requirements for all students:** a minimum of 120 credit hours, completion of the General Education program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003).

Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.