

# PLANT AND SOIL SCIENCES: AGRONOMIC BUSINESS, BSAG

**Requirements for Students Matriculating in or before Academic Year 2025-2026.** Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 120**

Code	Title	Hours
<b>General Education Requirements</b>		
<i>English Composition</i>		
See Academic Regulation 3.5 ( <a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition/">http://catalog.okstate.edu/university-academic-regulations/#english-composition/</a> )		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History &amp; Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Quantitative Thought &amp; Logical Reasoning (Q)</i>		
STAT 2013	Elementary Statistics (Q) <sup>1</sup>	3
<i>Understanding Humanities-Human Heritage &amp; Cultures (H)</i>		
Courses designated (H)		3
Courses designated (DH)		3
<i>Reasoning in the Natural Sciences (N)</i>		
Must include one Laboratory-Based Inquiry (L) course		
CHEM 1314	Chemistry I (LN) <sup>1</sup>	4
or CHEM 1215	Chemical Principles I (LN)	
Course designated (N)		3
<i>Exploring Society &amp; Human Behavior (S)</i>		
AGEC 1113	Introduction to Agricultural Economics (S) <sup>1</sup>	3
<i>Diversity (D)</i>		
Courses designated (D)		
May be paired with another designated course		
<i>Global Cultural Competency (G)</i>		
Courses designated (G)		3
<i>Additional General Education</i>		
Additional general education credit hours (at least 6 hours) are required to meet the total 40-hour minimum. If courses carry more than one general education designation and can be used to meet multiple minimum general education designation hours above, more than 6 hours of additional general education will be required here to meet the 40-hour minimum.		
Courses designated (Q), (H), (N), (S), (D), (G), or (F).		6

<b>Hours Subtotal</b>		<b>40</b>
<b>College Requirements</b>		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
ENTO 2993	Introduction to Entomology (LN)	3
<b>Departmental Requirements</b>		
Select one of the following:		3
AGCM 3103	Written Communications in Agricultural Sciences and Natural Resources	
BCOM 3113	Written Communication	
BCOM 3443	Business Communication for International Students	
ENGL 3323	Technical Writing <sup>2</sup>	
Select one of the following:		3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S)	
SPCH 2713	Introduction to Speech Communication (S)	
SPCH 3733	Elements of Persuasion (S) <sup>3</sup>	
PLNT 1213	Introduction to Plant and Soil Systems (N)	3
PLNT 2041	Career Development in Plant and Soil Sciences	1
PLNT 4033	Applied Agricultural Meteorology	3
PLNT 4080	Professional Internship	3
or PLNT 4990	Senior Thesis in Plant and Soil Sciences	
PLNT 4571	Professional Preparation in Plant and Soil Sciences	1
SOIL 2124	Fundamentals of Soil Science (N)	4
SOIL 4234	Soil Nutrient Management	4
Select one of the following:		3
MATH 1483	Mathematical Functions and Their Uses (Q)	
MATH 1513	College Algebra (Q) <sup>4</sup>	
MATH 2103	Business Calculus (Q)	
MATH 2144	Calculus I (Q)	
BIOL 1113 & BIOL 1111	Introductory Biology (N) and Introductory Biology Laboratory (LN)	4
or BIOL 1114	Introductory Biology (LN)	
CHEM 1515	Chemistry II (LN) <sup>5</sup>	5
or CHEM 1225	Chemical Principles II (LN)	
Select one of the following:		3
PHYS 1014	Descriptive Physics (N)	
BIOC 2344	Chemistry and Applications of Biomolecules	
CHEM 3013	Survey of Organic Chemistry	
<b>Hours Subtotal</b>		<b>44</b>
<b>Major Requirements</b>		
<i>Core Courses</i>		
PLNT 2013	Applied Plant Science	3
PLNT 3012	Crops of Oklahoma	2
PLNT 4013	Fundamentals of Weed Science	3
ANSI 4203	Rangeland and Pasture Utilization	3
or NREM 4603	Rangeland and Pasture Utilization	
PLNT 4443	Cropping Systems	3
SOIL 4213	Precision Agriculture	3

AGEC 3323	Agricultural Product Marketing and Sales	3
AGEC 3713	Agricultural Law	3
ACCT 2103	Financial Accounting	3
or ACCT 2003	Survey of Accounting	
or AGECE 3183	Agribusiness Accounting and Taxation	

**Related Courses**

Select 10 hours of the following: 10

AGEC 3213	Quantitative Methods in Agricultural Economics
AGEC 3333	Agricultural Marketing and Price Analysis
AGEC 3403	Agricultural Small Business Management
AGEC 3463	Agricultural Cooperatives
AGEC 3503	Natural Resource Economics
AGEC 3603	Agricultural Finance
AGEC 3703	Issues in Agricultural Policy
AGEC 4333	Commodity Futures Markets
AGEC 4403	Advanced Farm and Ranch Management
AGEC 4423	Advanced Agribusiness Management
AGEC 4503	Environmental Economics and Resource Development
AGEC 4513	Farm Appraisal
AGEC 4703	American Agricultural Policy
ECON 3033	Economics of Entrepreneurship and Innovation
PBIO 1404	Plant Biology (LN)
PLNT 2011	Agronomic Problem Solving
PLNT 4123	Plant-Environment Interactions
PLNT 4470	Problems and Special Study
PLNT 4573	Bioenergy Feedstock Production

**Hours Subtotal 36**

**Electives**

Select 0 hours or hours to complete required total for degree 0

**Total Hours 120**

1

College & Departmental requirements that may be used to meet General Education requirements.

2

If ENGL 3323 Technical Writing is used to satisfy ENGL 1213 Composition II above; hours in this block are reduced by 3.

3

If used as an additional (S) course above, hours in this block reduced by 3.

4

If used as an additional (Q) course above, hours in this block reduced by 3.

5

If used as an additional (N) course above, hours in this block reduced by 5.

## Other Requirements

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

## Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2031.