AGRICULTURAL SYSTEMS TECHNOLOGY, BSAG

Requirements for Students Matriculating in or before Academic Year 2024-2025. 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

See Academic Regulation 3.5 (http://catalog.okstate.edu/sniversity-academic-regulations/#english-composition) 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 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) ENGLS 1113 American Government 3 Enalytical & Quantitative Thought (A) MATH 2123 Calculus for Technology Programs I (A) 3 or MATH 2103 Business Calculus (A) ETAT 2013 Elementary Statistics (A) 3 or STAT 2023 Elementary Statistics for Business and Economics (A) Elementary Statistics for Business and Economics (A) Must include one Laboratory Science (L) course ETHYS 1114 College Physics I (LN) 4 Exourse designated (N) 2 Exocial & Behavioral Sciences (S) EPCH 2713 Introduction to Speech Communication (S) 3 or AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S) Exchange of the following: 3 ENGL 2713 Introduction to Speech Communication (S) 3 Exchange of the following: 3 ENGL 2713 Introduction to Speech Communication (S) 3 ENGL 2713 Introduction (S) 3 ENGL 271	Code	Title Ho	urs
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or AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S) Additional General Education Courses designated (A), (H), (N), or (S) 7 Hours Subtotal 40 Diversity (D) & International Dimension (I) May be completed in any part of the degree plan	Social & Behavioral Sc.	iences (S)	
Natural Resources (S) Additional General Education Courses designated (A), (H), (N), or (S) Hours Subtotal Diversity (D) & International Dimension (I) May be completed in any part of the degree plan	SPCH 2713	Introduction to Speech Communication (S)	3
Courses designated (A), (H), (N), or (S) 7 Hours Subtotal 40 Diversity (D) & International Dimension (I) May be completed in any part of the degree plan	or AGCM 3203	_	
Hours Subtotal 40 Diversity (D) & International Dimension (I) May be completed in any part of the degree plan	Additional General Edu	ıcation	
Diversity (D) & International Dimension (I) May be completed in any part of the degree plan	Courses designated (A), (H), (N), or (S)	7
May be completed in any part of the degree plan	Hours Subtotal		40
	Diversity (D) & Interna	ational Dimension (I)	_
Select at least one Diversity (D) course	May be completed in	any part of the degree plan	
	Select at least one Di	versity (D) course	
Select at least one International Dimension (I) course	Select at least one In	ternational Dimension (I) course	
College/Departmental Requirements	College/Departmenta	l Requirements	
Agricultural Sciences and Natural Resources	Agricultural Sciences a	and Natural Resources	

UNIV 1111	First Year Seminar (or other approved first year seminar course)	1		
SOIL 2124	Fundamentals of Soil Science (N)	4		
Select one of the following:				
PLNT 1213	Introduction to Plant and Soil Systems			
ENVR 1113	Elements of Environmental Science (N)			
FDSC 1133	Fundamentals of Food Science			
AGEC 1113	Introduction to Agricultural Economics (S)	3		
or ECON 2103	Introduction to Microeconomics (S)			
Written and Oral Comm	nunications			
Select one of the following:				
AGCM 3103	Written Communications in Agricultural			
	Sciences and Natural Resources			
BCOM 3113	Written Communication			
ENGL 3323	Technical Writing			
CHEM 1314	Chemistry I (LN)	4		
Hours Subtotal		18		
Major Requirements				
Core Courses				
AST 1413	Introduction to Engineering in Agriculture	3		
AST 2313	Surveying	3		
AST 3102	Principles of Agricultural Electrification	2		
AST 4101	Ag Electrification	1		
AST 4213	Safety and Health in Agriculture	3		
AST 4203	Agricultural Water Management	3		
AST 4303	Automation, Sensors and Controls for	3		
AOT 4010	Agricultural Systems	0		
AST 4013	Capstone for Agricultural Systems Technology	3		
AGEC 3213	Quantitative Methods in Agricultural Economics	3		
AGEC 3423	Farm and Agribusiness Management	3		
or MGMT 3013	Fundamentals of Management (S)			
Select from one of the	e following pairs of courses:	6		
ACCT 2103	Financial Accounting			
ACCT 2203	Managerial Accounting			
OR				
ACCT 2003	Survey of Accounting			
ACCT 3004	Foundational Accounting and Data Skills			
Technical Agriculture E	Electives			
Select 21 hours from	the following:	21		
ANSI 1124	Introduction to the Animal Sciences			
ANSI 2112	Live Animal Evaluation			
ANSI 2123	Livestock Feeding			
ANSI 2253	Meat Animal and Carcass Evaluation			
ANSI 3333	Meat Science			
ANSI 3423	Animal Genetics			
ENTO 2003	Insects and Society (N)			
ENTO 2143	Global Agricultural Biosecurity and Forensics			
ENTO 2223	Insects in Global Public Health (N)			
ENTO 2993	Introduction to Entomology (LN)			
ENTO 3003	Livestock Entomology			

SOIL 4213 SOIL 4363 SOIL 4463 SOIL 4483	Precision Agriculture Environmental Soil Science Soil and Water Conservation Soil Microbiology	
SOIL 4213 SOIL 4363	Precision Agriculture Environmental Soil Science	
SOIL 4213	Precision Agriculture	
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SOIL 4234	Soil Nutrient Management	
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PLNT 2013		
NREM 3063	1 3 3	
NREM 3613	Principles of Rangeland Management	
NREM 2083	Geospatial Technologies for Natural Resources	
HORT 3433	Commercial Vegetable Production	
HORT 3213	Fruit and Nut Production	
HORT 3153	Turf Management	
HORT 3113	Greenhouse Management	
HORT 3084	Plant Propagation	
HORT 2613	Woody Plant Materials	
HORT 2513	Herbaceous Plant Materials	
HORT 1013	Principles of Horticultural Science (LN)	
FDSC 4233	Food Safety Audit Schemes	
FDSC 4143	Food Safety Modernization Act	
FDSC 4123	Principles of Food Engineering	
FDSC 3373	Food Chemistry I	
FDSC 3133	Plant Sanitation for Food Processing Operations	
FDSC 3154	Food Microbiology	
FDSC 3123	HACCP in the Food Industry	
FDSC 3113	Quality Control	
ENTO 3461	Insects in Forest Ecosystems	
ENTO 3421	Horticultural Insects	
ENTO 3331	Insect Pests of Agronomic Crops	
ENTO 3021		
ENTO 3021	Postharvest, Structural, and Urban Arthropod Pests	
	ENTO 3421 ENTO 3461 FDSC 3113 FDSC 3113 FDSC 3154 FDSC 3154 FDSC 3133 FDSC 4123 FDSC 4123 FDSC 4143 FDSC 4233 HORT 1013 HORT 2513 HORT 2613 HORT 3153 HORT 3153 HORT 3153 HORT 3153 HORT 3433 NREM 2083 NREM 2083 NREM 3613 NREM 3663 PLNT 2013 PLNT 3554 PLNT 4013	ENTO 3421 Horticultural Insects ENTO 3461 Insects in Forest Ecosystems FDSC 3113 Quality Control FDSC 3123 HACCP in the Food Industry FDSC 3154 Food Microbiology FDSC 3133 Plant Sanitation for Food Processing Operations FDSC 3373 Food Chemistry I FDSC 4123 Principles of Food Engineering FDSC 4143 Food Safety Modernization Act FDSC 4233 Food Safety Audit Schemes HORT 1013 Principles of Horticultural Science (LN) HORT 2513 Herbaceous Plant Materials HORT 2613 Woody Plant Materials HORT 3084 Plant Propagation HORT 3113 Greenhouse Management HORT 3153 Turf Management HORT 3213 Fruit and Nut Production HORT 3433 Commercial Vegetable Production NREM 2083 Geospatial Technologies for Natural Resources NREM 3613 Principles of Rangeland Management NREM 3063 Natural Resource Biometrics PLNT 2013 Applied Plant Science PLNT 3554 Plant Genetics and Biotechnology PLNT 4013 Principles of Weed Science

Other Requirements

- A minimum of 40 semester credit hours and 100 grade points 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 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; onefourth 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 2030.