

AREC- Agribusiness (0111C)

General Education Requirements				Major Requirements		
(Grade of (C-) or higher is required in major required courses which satisfy a GenEd requirement as well.)				The cumulative average of these courses must be a 2.0 Grade of (C-) or higher is required in each course.		
Requirements: 15 credits	Course	Credits	Grade	Requirements	Credits	Grade
Fundamental Studies				Core AREC Requirements		
Academic Writing AW		3		ECON 200 or AREC240 or AREC250	3	
Professional Writing PW		3		ECON 201	3	
Oral Comm. OC		3		AREC 326	3	
Math MA	MATH120/140	3		ECON230 or BMGT230^	3	
Analytic Reasoning AR	STAT100/MATH107	3		MATH 120 or MATH140	3	
Distributive Studies				Specialization requirements		
Natural Sciences Lab NL		4		Upper level AREC course #1	3	
Natural Sciences NS		3		Upper level AREC course #2	3	
History/Social Sciences HS	ECON200	3		Upper level AREC course #3	3	
History/Social Sciences HS	ECON201	3		Upper level AREC course #4	3	
Humanities HU		3		Upper level AREC course #5	3	
Humanities HU		3				
Scholarship in Practice SP		3				
Big Question (Formerly called I-series)				Fields (Select 3 courses in 1 field)		
<i>Normally double counted with Distributive Studies</i>				Field of study AREC course #1	3	
Big Question SCIS		3		Field of study AREC course #2	3	
Big Question SCIS		3		Field of study AREC course #3	3	
Diversity				Fields of study include		
<i>(overlap permitted with Distributive Studies and/or I-series)</i>				Business Management		
Understanding Plural Soc. UP		3		Agricultural Management and Entrepreneurship		
Cultural Competence CC		1,2 or 3		Student Designed Field		
Experiential Learning- optional				Benchmarks		
<i>(overlap permitted with other requirements/courses)</i>				<i>Benchmarks are courses that need to be completed by certain checkpoints.</i>		
Requirements for Graduation				Benchmark 1 Requirements: By completion of 2 semesters		
____ Students must earn a minimum of 120 credits.				MATH 113 or 115 or 120	3	
Requirements for Graduation				Benchmark 2 Requirements: By completion of 4 semesters		
____ At least 30 credits must be earned at UMD				BMGT 230 or equiv.	3	
____ 15 of the final 30 credits must be earned at the 300-400 level				STAT 100	3	
____ 12 upper level major credits must be earned at UMD				AREC 326	3	

^STAT400 will satisfy the requirements for both STAT100 and BMGT230

Taken from: Date Updated: 6/17/2024

<https://academiccatalog.umd.edu/undergraduate/colleges-schools/agriculture-natural-resources/agricultural-resource-economics/agricultural-resource-economics-major/#requirementstext>

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Major Requirements

The cumulative average of these courses must be a 2.0

Grade of (C-) or higher is required in each course.

Course number	Cr.	Course name
Core AREC Requirements (18 cr)		
ECON200	3	Principles of Microeconomics
ECON201	3	Principles of Macroeconomics
AREC326	3	Intermediate Applied Microeconomics
ECON230	3	Applied Economic Statistics
_____ or BMGT230		Business Statistics
MATH120	3	Elementary Calculus I
_____ or MATH140		Calculus I
STAT100	3	Elementary Statistics and Probability
_____ or MATH107		Introduction to Math Modeling and Probability

Agribusiness upper level concentration requirements (15 cr)

Select 5 of the following courses:

AREC306	Farm Management and Sustainable Food Production
AREC380	Data Science for Environmental and Resource Economics
AREC405	Economics of Production
AREC422	Econometric Analysis in Agricultural and Environmental Economics
AREC426	Economic Methods and Food Consumption Policy
AREC427	Commodity Pricing and Markets
AREC430	Introduction to Agricultural and Resource Law
AREC431	Agricultural Water Quality: Policy and Legal Issues
AREC433	Food and Agricultural Policy
AREC435	Commodity Futures and Options
AREC447	The Economy of China
AREC455	Economics of Land Use
AREC489	Special Topics in Agricultural and Resources Economics
Other upper-level AREC	The Economics of Climate Change

Fields- Select 3 courses from one of the fields below

Business Management

BMGT340	Business Finance (BMGT340N) 1
BMGT350	Marketing Principles and Organization (BMGT350N)
BMGT364	Managing People and Organizations (BMGT364N)
BMGT380	Business Law I (BMGT380N)

Agricultural Management and Entrepreneurship

ENES140	Discovering New Ventures
ENES461	Advanced Entrepreneurial Opportunity Analysis in Technology Ventures
ENES471	Legal Aspects of Entrepreneurship
INAG103	Agricultural Marketing

INAG201		Agricultural Human Resources Management
INAG204		Agricultural Business Management
INAG205		Analyzing Alternative Enterprises
BMGT289E		Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You
or ENES210		Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures
or INAG102		Agricultural Entrepreneurship
Student Designed Field		
This field requires a written proposal listing at least three courses totaling at least 9 credits		

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Sample Four year Plan (aka "Graduation plan")

Year 1	Fall			Spring		
Required Benchmarks	Course	Credit	Grade	Course	Credit	Grade
MATH 113 or 115 or 120	MATH113 or 115 (MA)			ECON/200/AREC240/AREC250 (HS)*	3	
	ENGL101 (AW)			MATH120 or 140 (AR)	3	
	Humanities (HU)			Natural Science (NS)	3	
	Oral Communication (OC)			Humanities (HU)	3	
	UNIV100			Elective	3	
	TOTAL	0		TOTAL	15	
Year 2	Fall			Spring		
Required Benchmarks	Course	Credit	Grade	Course	Credit	Grade
BMGT 230 or equiv.	ECON201 (HS)*	3		AREC 326	3	
STAT 100	STAT100	3		BMGT 230	3	
AREC 326	Scholarship in Practice (SP)	3		Field of Study #1	3	
	Natural Science w/ Lab (NL)	4		Cultural Competence (CC)	3	
	Understanding Plural Societies (UP)	3		Elective	3	
	TOTAL	16		TOTAL	15	
Year 3	Fall			Spring		
Required Benchmarks	Course	Credit	Grade	Course	Credit	Grade
**5 Upper level AREC courses are required.	Scholarship in Practice (SP)	3		Upper level AREC #2	3	
	Elective	3		Upper level AREC #3	3	
	Professional Writing (PW)	3		Elective	3	
3 courses in your chosen field of study required.	Upper level AREC #1	3		Elective	3	
	Elective	3		Elective	3	
	TOTAL	15		TOTAL	15	
Year 4	Fall			Spring		
Required Benchmarks	Course	Credit	Grade	Course	Credit	Grade
	Upper level AREC #4	3		Field of Study #3	3	
	Upper level AREC #5	3		Elective	3	
	Field of Study #2	3		Elective	3	
	Elective	3		Elective	3	
Don't forget to apply for graduation!	Elective	3		Elective	3	
	TOTAL	15		TOTAL	15	

*Microeconomics(ECON200/AREC240/AREC250) and ECON 201 are required early, as they are pre-requisites for AREC 326.

Important reminders:

1. All benchmark requirements **must** be completed before students can advance to upper-level AREC courses.
2. If MATH 120 or MATH 140 has already been completed via transfer / AP / IB credits, you have satisfied the math benchmark. If you place out of MATH 113, we recommend taking MATH 120 in your first semester.

**Field of study: business management (BMGT), agricultural management, or entrepreneurship courses.

^All students must take two I-series (IS) courses which can overlap with one of your distributive studies (HU, HS, NL/NS) or Diversity courses (CC, UP). You can sign up for IS courses separately or plan on them to overlap with your other GenEd courses.