

# Agricultural Economics: Quantitative Analysis

https://ag.purdue.edu/oap/Pages/major.aspx

120 credits required for graduation

**Departmental/Program Major Courses (96 credits)**

**Required Major Courses (26 credits)**

Credits	Course number	Course Title
1	AGEC 20200	Spreadsheet Use in Agricultural Business
3	AGEC 20300	Introductory Microeconomics for Food and Agribusiness
3	AGEC 21700	Economics
3	AGEC 22000	Economics of Agricultural Markets
1	AGEC 29800	Sophomore Seminar
3	AGEC 352000	Quantitative Techniques for Firm Decision Making
1	AGEC 37500	The Process of Economic Research
3	AGEC 45100	Applied Econometrics
5	AGEC 49900	Research
3	AGEC 51600	Mathematical Tools for Agricultural and Applied Economics

**Other Departmental/Program Course Requirements (70 credits) (See Advising Resources)**

0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University
0.5	AGR 11200	Introduction to Agricultural Economics Programs
4	-----	<a href="#">Biological Science Selective</a>
4	-----	<a href="#">Biological Science Selective</a>
3	CHM 11100	General Chemistry (satisfies Science #1 for core)
3	CHM 11200	General Chemistry (satisfies Science #2 for core)
3	MA 16010	Introductory Analysis I (satisfies Quantitative Reasoning for core)
3	STAT 30100	Elementary Statistical Methods (satisfies Information Literacy for core)
3	MA 16020	Introductory Analysis II
3	-----	<a href="#">UCC STS Selective (satisfies Science, Technology &amp; Society Selective for core)</a>
3	MGMT 20000 or	
3	MGMT 20010	Introductory Accounting
3	ECON 34000	Intermediate Microeconomic Theory
3	-----	Economics Selective
3	-----	Economics Selective
3	-----	Economics Selective
3	-----	Economics Selective
3	-----	<a href="#">UCC Humanities Selective (satisfies Human Cultures Humanities for core)</a>
3	-----	<a href="#">Humanities or Social Science Selective</a>
3	-----	<a href="#">Humanities or Social Science Selective</a>
3	-----	<a href="#">Humanities or Social Science Selective (30000+ level)</a>
4	ENGL 10600	First-Year Composition (satisfies Written Communication for core)
3	COM 11400 or	Fundamentals of Speech Communication (satisfies Oral Communication for core) or
3	COM 21700	Science Writing and Presentation
3	-----	<a href="#">Written or Oral Communications Selective</a>
3	-----	<a href="#">Written or Oral Communications Selective</a>

**Electives (24 credits)**

24	-----	Elective
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**University Core Requirements:**

<i>Human Cultures Humanities:</i> _____	<i>Science, Technology, and Society:</i> _____
<i>Human Cultures Behavioral/Social Science:</i> _____	<i>Written Communication:</i> _____
<i>Information Literacy:</i> _____	<i>Oral Communication:</i> _____
<i>Science #1:</i> _____	<i>Quantitative Reasoning:</i> _____
<i>Science #2:</i> _____	

120 semester credits required for Bachelor of Science degree.  
2.0 GPA required for Bachelor of Science degree.

**College of Agriculture & University Level Requirements:**

- 2.0 GPA required for Bachelor of Science degree.
- 32 Upper division credits taken from Purdue
- 9 credits International Understanding: \_\_\_\_\_
- 3 credits Multicultural Awareness: \_\_\_\_\_
- 9 credits of Hum and/or Social Sciences outside the College of Agriculture: \_\_\_\_\_

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Credits	Course number	Course Title	Prerequisites	Credits	Course number	Course Title	Prerequisites
<b>Fall 1st Year</b>				<b>Spring 1st Year</b>			
1	AGEC 20200	Spreadsheet Use in Agribusiness		3	AGEC 21700	Economics	
3	AGEC 20300	Introductory Microeconomic for Food Agribusiness		3	COM 11400 or COM 21700	Fundamentals of Speech or Science Writing and Presentation	
0.5	AGR 10100	Introduction to the College of Agriculture and Purdue University		3	MA 16020	Applied Calculus II	MA 16010
0.5	AGR 11200	Introduction to Agricultural Economics Academic Programs		4	-----	Biological Sciences Selective	
4	ENGL 10600	First-year Composition		3	-----	UCC Humanities Selective	
3	MA 16010	Applied Calculus I	ALEKS 75+				
4	-----	Biological Sciences Selective					
<b>16</b>				<b>16</b>			
<b>Fall 2nd Year</b>				<b>Spring 2nd Year</b>			
3	AGEC 22000	Economics of Agricultural Markets		3	AGEC 45100	Applied Econometrics	STAT 30100
1	AGEC 29800	Sophomore Seminar		3	CHM 11200	General Chemistry	CHM 11100
3	CHM 11100	General Chemistry		3	MGMT 20000 or 20010	Introductory Accounting	
3	STAT 30100	Elementary Statistical Methods		3	-----	Economics Selective	
3	-----	UCC Science, Technology, & Society Selective		3	-----	Written or Oral Communication Selective	
3	-----	Elective					
<b>16</b>				<b>15</b>			
<b>Fall 3rd Year</b>				<b>Spring 3rd Year</b>			
3	AGEC 35200	Quantitative Techniques for Firm Decision Making	STAT 30100	2	AGEC 49900	Thesis	
1	AGEC 37500	The Process of Economic Research	STAT 30100, MA 22400	3	-----	Economics Selective	
3	-----	Economics Selective		3	-----	Humanities or Social Science Selective	
3	-----	Humanities or Social Science Selective		3	-----	Written or Oral Communication Selective	
6	-----	Elective		3	-----	Elective	
<b>16</b>				<b>14</b>			
<b>Fall 4th Year</b>				<b>Spring 4th Year</b>			
2	AGEC 49900	Thesis		1	AGEC 49900	Thesis	
3	AGEC 51600	Mathematical Tools for Agricultural and Applied Economics		3	-----	Economics Selective	
3	ECON 34000	Intermediate Microeconomic Theory	ECON 25100	8	-----	Electives	
3	-----	Humanities or Social Science Selective (30000+level)					
4	-----	Electives					
<b>15</b>				<b>12</b>			

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2.0 GPA required for Bachelor of Science degree.

The highlighted course is considered critical; timely progress toward the degree depends upon steady progress through each course in the plan of study, but this course, in particular, should be completed by the semester indicated.

**Consultation with an advisor may result in an altered plan customized for an individual student.**

Official and complete prerequisite lists are in the course catalog; the incomplete listing presented here regards this program and course sequencing.