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Get in Touch

If you are a potential student interested in information about the University of Missouri’s Agribusiness Management and Agricultural Economics Programs or to schedule a visit, please contact:

Ms. Jill Moreland  
_Instructor & Academic Advisor_  
203 Mumford Hall  
Columbia, MO 65211  
**Phone:** (573) 884-1756  
**Fax:** (573) 882-3958  
**Email:** morelandj@missouri.edu

Ms. Melinda Poole  
_Office Support IV_  
200 Mumford Hall  
Columbia, MO 65211  
**Phone:** (573) 882-3545  
**Fax:** (573) 882-3958  
**Email:** AgEcon@missouri.edu  
**Web:** [www.dass.missouri.edu/AgEcon](http://www.dass.missouri.edu/AgEcon)

**Agricultural & Applied Economics Department Chair**  
_Director of Undergraduate Studies and Advisor Chair_  
Joe Parcell, Ph.D.  
202 Mumford Hall  
Columbia, MO 65211  
**Phone:** (573) 882-0870  
**Email:** parcellj@missouri.edu  
**Web:** [https://joeparcell.wordpress.com/](https://joeparcell.wordpress.com/)

For information about the College of Agriculture, Food and Natural Resources or to schedule a campus visit, please contact:

**Academic Programs Office**  
_College of Agriculture, Food, and Natural Resources_  
2-64 Agriculture Building  
Columbia, MO 65211  
**Phone:** (888) 682-2367  
**Fax:** (573) 882-0388  
**Email:** visitcafnr@missouri.edu  
**Web:** [www.cafnr.missouri.edu](http://www.cafnr.missouri.edu)
The Department of Agricultural and Applied Economics

Introduction

The Department of Agricultural and Applied Economics at the University of Missouri is ranked among the top in the nation, ensuring students receive a unique combination of quantitative and analytical skills rarely found in other degrees. The department offers two undergraduate degrees, administered by the College of Agriculture, Food and Natural Resources:

1. Bachelor of Science in Agribusiness Management
   - Management
   - Farm and Ranch Management
2. Bachelor of Science in Agricultural Economics

The Bachelors of Science (B.S.) degrees in Agribusiness Management and Agricultural Economics meet the needs of students pursuing management careers in agriculture, food, agribusiness, and beyond. These degree programs are distinctive because they combine training in business, management, entrepreneurship, and economics with solid technical knowledge in production agriculture and skills in communication and problem-solving. Because of the quality of students and our educational program, employees are waiting as our students graduate, ready to fulfill a challenging role in the future of the world.

Faculty and Advising

Excellence in teaching and advising is a way of life in the College of Agriculture, Food and Natural Resources (CAFNR). Our instructors and advisors are full-time teachers who personally know their students, making the relationships students build with our faculty very meaningful.

Faculty members within the Department of Agricultural and Applied Economics are recognized nationally and internationally for their teaching, research, and extension. Our department hosts world-class research centers managed by our faculty. The diversity of these centers' research areas illustrate the strength of our department and the rich environment in which our faculty interact among themselves, among our students, and among experts worldwide.
Student Organizations

Agribusiness Club  
*Advisor: Dr. Chris Boessen, Phone: (573) 882-7620*

The Agribusiness Club strives to broaden Agricultural Economic and Agribusiness Management students’ knowledge and understanding of their field of study. The club works to stimulate interest and enthusiasm for learning beyond the scope of the classroom. It promotes student-faculty relations, scholarship, fellowship and leadership, and provides an opportunity for wider acquaintances among students and professional workers in the agricultural industry.

**Meetings:** Once per month (based on 2015-2016 academic year)  
**Dues:** $8 per semester or $10 per year (based on 2015-2016 academic year)  
**Yearly Activities:** Annual Trivia Night, Annual Fall Trip, Annual Spring Trip, Club Socials, Community Service (Adopt-A-Family/Adopt-A-Soldier, Trick-or-Treat for Columbia Food Bank, Toy Donations for Toys for Tots), Monthly Guest Speakers, Networking Events

Collegiate Farm Bureau  
*Advisor: Dr. Scott Brown, Phone: (573) 882-3861*

The Mizzou Collegiate Farm Bureau chapter is associated with the Missouri Farm Bureau and the American Farm Bureau. The club strives to acquaint students with the State Farm Bureau Organization or allow students who have already been involved through their home towns to continue to stay active. This club gives students an opportunity to develop and strengthen their leadership skills through involvement in social and professional activities, along with options to run for chapter officer or take part on committees. Students can also become acquainted with other students who have similar interests and goals, and further their career goals through the support of political internships and exposure to other careers in agriculture.

**Meetings:** Once per month (based on 2015-2016 academic year)  
**Dues:** $10 per year (based on 2015-2016 academic year)  
**Yearly Activities:** Farm Forum, Missouri Farm Bureau Annual Meetings, Young Farmers and Ranchers Conference, Washington, D.C. Trip, Ag in the Classroom, Boone County Farm Bureau Events, Resolutions.

MU NAMA - National Agriculture Marketing Association, Student Chapter  
*Advisor: Dr. J.P. Rivera, Phone: (573) 882-5478*

The purpose of MU NAMA is to help students network with industry professionals, prepare for careers in agribusiness, and learn the intricacies of coordinating an agribusiness product launch. The organization plans and coordinates events to support recruitment (informational meeting), develop students professionally, and networking. Club members attend the Annual NAMA Conference, and a representation compete at the NAMA Student Marketing Competition. Students involved in NAMA develop leadership, communication, analytic, and research skills. Team members also develop computer skills during working sessions (Microsoft Office - Excel, Power Point, Publisher, and Word; Outlook, Google Docs and Forms, Pdf, among others). In addition, they get hands on experience in budget and marketing planning. Those who have been part of NAMA and graduated have expressed value from their experiences. The club’s memberships are free and opened to all students interested in agriculture and business/marketing at Mizzou. The competitive team is selected from club members taking leadership roles and going beyond club duties; team members may enroll in a class to obtain academic credit.
Career Preparation

CAFNR Career Services
CAFNR Career Services recognizes career development as a lifelong process and are committed to helping students think about their future and working to make that future a reality. Career Services offers workshops and online resources to help students with resume writing, interview preparation, salary negotiation, and networking. They host a career fair and other career days where recruiters are brought in to meet with students in a more personal setting. They coordinate presentations on campus by industry leaders, tours to visit employers, and links to job and internship opportunities.

CAFNR Career Services works closely with the Department of Agricultural and Applied Economics’ faculty, staff, alumni, and the agricultural industry to provide the most current advice, opportunities, and mentors to students so they may fully prepare for careers in agriculture.

For more information, please visit http://cafnr.missouri.edu/career-services/.

Career Opportunities
Interested in where a degree in Agribusiness Management or Agricultural Economics could take you? Check out some of the careers and employers that are waiting for you upon graduation.

Careers
Ag. Policy Analyst
Agricultural Statistician
Attorney
Banker
Commodity Broker
Farm and Land Appraiser
Farm Manager
Financial Analyst
Food Broker
International Economist
Management/Operations
Market Analyst
Resource Economist
Sales Representative

Employers
Accounting Firms
Chemical Companies
Commercial Banking Institutions
Commodity Brokers
Farm Organizations
Federal, State and Local Governments
Food Manufacturers
Grain Companies
Insurance Companies
Investment Firms
Livestock/Crop Production Facilities
Marketing Services
U.S. Department of Agriculture
**Internship Program**
The Department of Agricultural & Applied Economics offers academic credit for internships, provided that:

- The work-learning experience is of a nature that typically cannot be offered on the University campus.
- The work-learning experience requires students to apply technical information and skills in a work situation.
- The work-learning experience will clearly add to the student's knowledge of the business world.
- Employers agree to assist a student to learn different parts of the business in which the student will work and learn.
- The student willingly accounts for his learning experiences and is in accordance with the rules and regulations of the Department and the University.

**Agricultural Economics 4940**
The AgEc 4940 internship program is a work-study arrangement where a student receives academic credit while working in a specific employment situation. This program combines study, observation, and employment in a public agency, private firm, farm management or other agribusiness for credit. The student, employer and a faculty member of the Department will establish, mutually acceptable arrangements specifying the goals that each hope to achieve with the work-study activity.

Enrollment for credit in AgEc 4940 is available during any term based on approval by the internship director and in conformance with the rules, regulations and requirements of the University of Missouri. A maximum of one to three hours of academic credit can be earned in any one term. No more than 6 hours total of 4940 internship credit is possible.

Contact Jill Moreland via e-mail at MorelandJ@missouri.edu, or in 203 Mumford Hall, to discuss requirements and to sign up for internship credit.
Bachelor of Science in Agribusiness Management or Agricultural Economics

General Education Course Requirements at Mizzou

English Exposition (3 Credits)
- English Exposition & Argumentation (3 Credits)
  - English 1000 – Final grade C- or better

College Algebra (3 credits)
- Math 1100 or transferable equivalent (3 credits) – Final grade C- or better. Requirement met by:
  - An appropriate math course (Math 1100 or 1160)
  - Calculus course at MU which provides back credit for Math 1100
  - Possessing the minimum ACT or SAT Math sub-scores, thereby providing an exemption

Biological Science, Physical Science and/or Mathematical Science (11 credits)*
- Biological Science (5 credits), select from:
  - BioSc 1010 and 1020, 1030, 1200, 1500 or BioSc/FW 1100
- Physical Science (3 credits), select from:
  - Chem 1100, 1320 or Bio Chem 2110, 2112 (Note: Chem 1310 does not meet this requirement)
- Mathematics 1400 - Calculus (MRP)

Social and/or Behavioral Sciences (9 credits)*
- Microeconomics (3 Credits): AgEc 1041 or Econ 1014
- Macroeconomics (3 Credits): AgEc 1042 or Econ 1015
- American History or American Government (State Law Requirements) (3 credits), select from:
  - Hist 1100, 1200, 2210, 2440, 4000, 4220 or 4230
  - PolSc 1100, 2100

Humanities and/or Fine Arts (9 credits)*
- Agricultural Education & Leadership 2220 or Communications 1200
- Philosophy 1200
- In addition to the humanities requirement above:
  - Courses may include: AgEc 3241, SciAgJ 3210 or 3240
  - Refer to Distribution of Content course list, found at: http://generaleducation.missouri.edu/courses/
  - Only 3 credits from course designed as an applied skills class may be used
  - Entire 12-13 credit hour elementary foreign language sequence may be used

* Distribution of Content (27 credit hours):
Provides an extensiveness depth of knowledge in three broad areas of study. Course work must include at least one course 2000+ in two of the three following distributions: 1) Biological, physical and/or mathematical science, 2) Behavioral and/or social science, 3) Humanities and/or fine arts.

A course may only be used to fulfill ONE requirement in the previous sections.
Program Specifications

In addition to the requirements listed on the previous page, the following program specifications must be met:

1. The program consists of 120 credit hours:
   a) Minimum 24 credit hours must be in courses numbered 2000+
   b) Additional 24 credit hours must be in courses numbered 3000+
2. 30 of the last 36 credit hours must be completed with MU courses for a Bachelor of Science degree in CAFNR
   a) A maximum of 6 credit hours may be taken at another accredited institution.
   b) Approval of Advisor, Advisor Chair and Associate Dean must be obtained prior to enrolling in courses taken at another accredited institution, if during the last 36 credit hours.
3. Math 0110 (Intermediate Algebra) will not count toward the 120 credit hour degree requirement.
   a) A grade of C- or better is required in Math 1100 (College Algebra) or 1120 or a transferable equivalent.
   b) An additional Math Reasoning Proficiency course must be completed. A grade of C- or better is required.
4. Two courses beyond English 1000 certified by the Campus Writing Board as “Writing Intensive” (WI). Students must complete the courses with a C- or better. At least one of the WI courses must be numbered 3000 or above, be considered an upper division course in the major, and be reflective of the vocabulary and methodology appropriate to the student’s degree program.
   a) AgEc 2070
   b) AgEc 3224
   c) AgEc 3241
   d) AgEc 4971
5. A capstone experience approved by the General Education Program is required of all MU graduates. A grade of C- or better is required in capstone courses. The current capstone experiences in the Department of Agricultural and Applied Economics are:
   a) Agribusiness Management: AgEc 4962
   b) Agribusiness Management: AgEc 4971
   c) Agribusiness Management: AgEc 4972
   d) Agribusiness Management: AgEc 4983
   e) Agricultural Economics: AgEc 4990

For more information, please visit: http://cafnr.missouri.edu/students/
MU general education requirements can be found at: http://generaleducation.missouri.edu/

Transfer Students

Transfer students must meet the above program specifications in addition to the requirements listed below:

- A community college transfer student may only transfer 18 hours of credit in CAFNR disciplines.
- If you plan to transfer into either of these majors, it is recommended that you complete all mathematics, statistics and accounting requirements before the junior year.

**Contact Jill Moreland at MorelandJ@missouri.edu, to request a Student Transfer Application.

MU - Columbia Students Transferring into CAFNR

- Students must have a 2.7 cumulative GPA and a 2.0 term GPA to transfer into the Agribusiness Management or Agricultural Economics degree program.
Degree Programs

Agribusiness Management Degree
How can you design the most efficient strategies to manage the risks facing your farm or agribusiness? What are the best ways to market agricultural products? The University of Missouri’s Agribusiness Management Program offers you the chance to answer questions such as these, and prepare you for a wide variety of career options including agricultural sales and marketing, commodity brokerage/trading, finance and insurance, accounting, business consulting, entrepreneurship, government service, and public relations. This list is only a small sample because the critical thinking skills developed during this program can be used in many careers. Courses that prepare you for such careers include agricultural marketing, accounting, finance, and agricultural business management and strategy.

This degree includes two areas of specialization:

1. **Management:** This option allows students to ready themselves for a mid-level management position, as well as emerging entrepreneurs. With course topics centralized around management, students will receive a strong understanding of the management world. Students will also experience their creative side with entrepreneurship oriented courses.

2. **Farm and Ranch Management:** This option prepares students to be farm or ranch operators, either as entrepreneurs or as professional managers in an organization related to production agriculture. Graduates also find many opportunities in farm credit, finance, appraisal, insurance, and agricultural input sales. This option emphasizes functional business areas such as production, marketing and finance, and includes courses in commodity marketing and farm and ranch management.

Agricultural Economics Degree
How can farmers and other agribusinesses best use market information in forecasting commodity prices? In what ways do government agriculture policies affect U.S. agriculture? A degree in Agricultural Economics includes an emphasis in Public Policy. This degree is for students interested in public policy, government, and pursuing graduate studies and/or law school. It prepares students in focus areas such as environmental and natural resource management, international economic development, and international trade and agricultural policy. Many of these careers are in the public sector or relate and work with public institutions.
## Agribusiness Management Degree Requirements
### Management Option

### MU General Education Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>English Exposition (3 Hours)</td>
<td>□ English 1000</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (3 Hours)</td>
<td>□ Math 1100 - College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Physical, Biological, and/or Math Sciences (11 Hours)</td>
<td>□ BioSc 1010</td>
<td>3</td>
</tr>
<tr>
<td>□ BioSc 1020</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>□ Chem 1100, 1320 or Bio Chm 2110,2112</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ Math 1400 - Calculus(^6) (MRP)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social and/or Behavioral Sciences (9 Hours)</td>
<td>□ AgEc 1041 - Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 1042 - Macroeconomics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ PolSc 1100, 2100 or Hist 1100, 1200</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanistic Studies and Fine Arts (9 Hours)</td>
<td>□ Ag Ed &amp; Ldrshp 2220 or Comm 1200</td>
<td>3</td>
</tr>
<tr>
<td>□ Phil 1200 - Logic and Reasoning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ Humanities Elective(^1,2)</td>
<td></td>
<td>3</td>
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<tr>
<td>General Electives</td>
<td>□ AgEc 1010 - Agribusiness Seminar</td>
<td>3</td>
</tr>
<tr>
<td>□ General Elective   WI(^4)</td>
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### Departmental Required Courses

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Core Courses</td>
<td>□ AgEc 1200 Data Mgmt or Acctcy 2258(^5)</td>
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<tr>
<td>□ Acctcy 2036 - Accounting 1</td>
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<td>□ Acctcy 2037 - Accounting 2</td>
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<tr>
<td>□ Econ 3229 - Money and Banking</td>
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<td>3</td>
</tr>
<tr>
<td>□ AgEc 2123 - Quant App in AgEcon(^3)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 2183 - Ag Marketing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 2225 or Stat 2500 (MRP)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 3256 - Agribusiness Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 3282 - Agribusiness Finance</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 3283 - Fund. of Entrepreneurship</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 3286 - Managerial Decisions</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 4251 - Agricultural Prices</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Pick two of the following three</td>
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<tr>
<td>□ AgEc 4971 - Strategies (Cap.) (WI)</td>
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<tr>
<td>□ AgEc 4972 - Coops Management (Cap.)</td>
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<tr>
<td>□ AgEc 4983 - Strgic Entrepreneurship(Ca)</td>
<td></td>
<td>3</td>
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<tr>
<td>Business Electives</td>
<td>□ Business Elective</td>
<td>3</td>
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<tr>
<td>□ Business Elective</td>
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<td>3</td>
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<tr>
<td>□ Business Elective</td>
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<tr>
<td>International Elective</td>
<td>□ International Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### Remaining Hours Needed to Reach 120 Hours Total

**TOTAL HOURS** 120

### Notes

1. Courses must be from two different departments.
2. A full list of Humanities Electives can be found at: generaleducation.missouri.edu/courses/?category=HFA
3. **Prior approval** by the Advisor Chair is needed to replace both Math 1400 and AgEc 2123 with Math 1500.
4. Students will need an additional writing intensive course.
5. Acctcy 2258 cannot count as both business elective and department requirement.
6. **Prior approval** by the Advisor Chair is needed to replace both Math 1400 and AgEc 2123 with Math 1500.

See back for approved Business, Supporting Agriculture Sciences, and International Electives.
# Agribusiness Management Degree Requirements
## Farm & Ranch Management Option

### MU General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
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<tr>
<td>English Exposition (3 Hours)</td>
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<td>□ English 1000</td>
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<tr>
<td>□ Math 1100 - College Algebra</td>
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<tr>
<td>Physical, Biological, and/or Math Sciences (11 Hours)</td>
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</tr>
<tr>
<td>□ BioSc 1010</td>
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<td>□ BioSc 1020</td>
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<tr>
<td>□ Chem 1100, 1320 or Bio Chm 2110, 2112</td>
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<tr>
<td>□ Math 1400 - Calculus (MRP)</td>
<td>3</td>
</tr>
<tr>
<td>Social and/or Behavioral Sciences (9 Hours)</td>
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<tr>
<td>□ AgEc 1041 - Microeconomics</td>
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<tr>
<td>□ AgEc 1042 - Macroeconomics</td>
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<tr>
<td>□ PolSc 1100, 2100 or Hist 1100, 1200</td>
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<tr>
<td>Humanistic Studies and Fine Arts (9 Hours)</td>
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<tr>
<td>□ Ag Ed &amp; Ldrshp 2220 or Comm 1200</td>
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<td>□ Phil 1200 - Logic and Reasoning</td>
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<td>□ Humanities Elective</td>
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<tr>
<td>General Electives</td>
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<tr>
<td>□ AgEc 1010 - Agribusiness Seminar</td>
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<tr>
<td>□ General Elective</td>
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<tr>
<td>□ General Elective WI</td>
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<tr>
<td>Remaining Hours Needed to Reach 120 Hours Total</td>
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### Departmental Required Courses

<table>
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<tr>
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<tbody>
<tr>
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<td>□ AgEc 1200 - Data Mgmt or Acctcy 2258</td>
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<tr>
<td>□ Acctcy 2036 - Accounting 1</td>
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<tr>
<td>□ Acctcy 2037 - Accounting 2</td>
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<tr>
<td>□ Econ 3229 - Money and Banking</td>
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<td>□ AgEc 2123 - Quant App in AgEcon</td>
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<td>□ AgEc 2225 or Stat 2500 (MRP)</td>
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<td>□ AgEc 3256 - Ag &amp; Biotechnology Law</td>
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<td>□ AgEc 3260 - General Farm Mgmt.</td>
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<td>□ AgEc 3282 - Agribusiness Finance</td>
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<td>□ AgEc 3294 - Ag Mkt. &amp; Procurement</td>
<td>3</td>
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<tr>
<td>□ AgEc 4251 - Agricultural Prices</td>
<td>3</td>
</tr>
<tr>
<td>□ AgEc 4962 - Planning Farm Business</td>
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<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Business Electives</td>
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<tr>
<td>□ Business Elective</td>
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<td>□ Business Elective</td>
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### Supporting Agriculture Sciences

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>□ Supporting Agriculture Science</td>
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### International Elective

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ International Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

## TOTAL HOURS

120

### Notes

1. Courses must be from two different departments.
2. A full list of Humanities Electives can be found at: generaleducation.missouri.edu/courses/?category=HFA
3. **Prior approval** by the Advisor Chair is needed to replace both Math 1400 and AgEc 2123 with Math 1500.
4. Students will need 2 writing intensive courses. One course must be at the 3000+ level in the major.
5. Acctcy 2258 cannot count as a business elective and department requirement.
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See back for approved Business, Supporting Agriculture Science and International Electives
**Agricultural Economics Degree Requirements**

**Public Policy Emphasis**

<table>
<thead>
<tr>
<th>MU General Education Requirements</th>
<th>Departmental Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Exposition (3 Hours)</strong></td>
<td><strong>Core Courses</strong></td>
</tr>
<tr>
<td>□ English 1000</td>
<td>□ AgEc 1200 - Data Mgmt or Acctcy 2258 3</td>
</tr>
<tr>
<td>3</td>
<td>□ Acctcy 2036 - Accounting 1 3</td>
</tr>
<tr>
<td><strong>Mathematics (3 Hours)</strong></td>
<td>□ Acctcy 2037 - Accounting 2 3</td>
</tr>
<tr>
<td>□ Math 1100 - College Algebra</td>
<td>□ Econ 3229 - Money and Banking 3</td>
</tr>
<tr>
<td>3</td>
<td>□ Econ 4351 - Intermed. Micro Econ 3</td>
</tr>
<tr>
<td><strong>Physical, Biological, and/or</strong></td>
<td>□ AgEc 2070 - Environ. Econ (WI) 3</td>
</tr>
<tr>
<td>Math Sciences (11 Hours)</td>
<td>□ AgEc 2123 - Quant App in AgEcon 3</td>
</tr>
<tr>
<td>□ BioSc 1010</td>
<td>□ AgEc 2183 - Ag Marketing 3</td>
</tr>
<tr>
<td>3</td>
<td>□ AgEc 2225 or Stat 2500 (MRP) 3</td>
</tr>
<tr>
<td>□ BioSc 1020</td>
<td>□ AgEc 3230 - Ag. &amp; Rural Policy 3</td>
</tr>
<tr>
<td>2</td>
<td>□ AgEc 3271 or 3272 - Int'l Ag/Trade 3</td>
</tr>
<tr>
<td>□ Chem 1100, 1320 or Bio Chm 2110, 2112 3</td>
<td>□ AgEc 3282 - Agribusiness Finance 3</td>
</tr>
<tr>
<td>□ Math 1400 - Calculus (MRP) 3</td>
<td>□ AgEc 4251 - Agricultural Prices 3</td>
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<tr>
<td></td>
<td>□ AgEc 4990 - AgEc Cap. Seminar (Cap) 3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Social and/or Behavioral Sciences (9 Hours)</th>
<th>Public Policy Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ AgEc 1041 - Microeconomics 3</td>
<td>□ Public Policy Elective 3</td>
</tr>
<tr>
<td>□ AgEc 1042 - Macroeconomics 3</td>
<td>□ Public Policy Elective 3</td>
</tr>
<tr>
<td>□ PolSc 1100, 2100 or Hist 1100, 1200 3</td>
<td>□ Public Policy Elective 3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanistic Studies and Fine Arts (9 Hours)</th>
<th>Supporting Agriculture Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Ag Ed &amp; Ldrshp 2220 or Comm 1200 3</td>
<td>□ Supporting Agriculture Science 3</td>
</tr>
<tr>
<td>□ Phil 1200 - Logic and Reasoning 3</td>
<td>□ Supporting Agriculture Science 3</td>
</tr>
<tr>
<td>□ Humanities Elective 1, 2 3</td>
<td>□ Supporting Agriculture Science 3</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>General Electives</th>
<th>International Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ AgEc 1010 - Agribusiness Seminar 3</td>
<td>□ International Elective 3</td>
</tr>
<tr>
<td>□ General Elective WI 3</td>
<td></td>
</tr>
</tbody>
</table>

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See back for approved Public Policy, Supporting Agriculture Sciences, and International Electives
### Prerequisite Requirements
#### Department of Agricultural and Applied Economics

#### Departmental Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgEc 1200 - Applied Computer Applications</td>
<td>None</td>
</tr>
<tr>
<td>Acctcy 2036 - Accounting 1</td>
<td>Sophomore standing</td>
</tr>
<tr>
<td>Acctcy 2037 – Accounting 2</td>
<td>Acctcy 2036 or Acctcy 2136H</td>
</tr>
<tr>
<td>AgEc 2123 - Quantitative Applications in Ag. Economics</td>
<td>AgEc 1041 or Econ 1014 and Math 1400</td>
</tr>
<tr>
<td>AgEc 2183 - The Agricultural Marketing System</td>
<td>AgEc 1041 or Econ 1014</td>
</tr>
<tr>
<td>AgEc 2225 - Statistical Analysis</td>
<td>Math 1100</td>
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<tr>
<td>OR</td>
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<tr>
<td>Stat 2500 - Intro to Probability &amp; Statistics</td>
<td>AgEc 1041 or Econ 1014 or Econ 1024 and AgEc 1042 or Econ 1015, or Econ 1051</td>
</tr>
<tr>
<td>Econ 3229 - Money, Banking, &amp; Financial Markets</td>
<td>AgEc 1041 or Econ 1014 and Acctcy 2036 or 2026</td>
</tr>
<tr>
<td>AgEc 3282 - Agribusiness Finance</td>
<td>AgEc 2123, and AgEc 2225 or Stat 2500</td>
</tr>
<tr>
<td>AgEc 4251 - Agricultural Prices</td>
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</tr>
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#### Agribusiness Management - Management Degree Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>AgEc 3256 - Agribusiness &amp; Biotechnology Law</td>
<td>None</td>
</tr>
<tr>
<td>AgEc 3283 - Fundamentals of Entrepreneurship</td>
<td>AgEc 1041 or Econ 1014 and Acctcy 2036 or 2026</td>
</tr>
<tr>
<td>AgEc 3286 - Economics of Managerial Decision Making</td>
<td>AgEc 2123, and AgEc 2183</td>
</tr>
<tr>
<td>AgEc 4971 - Agribusiness Management Strategy</td>
<td>AgEc 3282 or Finance 3000 and AgEc 3286 or Mgmt 3000</td>
</tr>
<tr>
<td>AgEc 4972 - Agri-Food Business &amp; Cooperative Mgmt.</td>
<td>AgEc 4971 and AgEc 3286 or Mgmt 3000</td>
</tr>
<tr>
<td>AgEc 4983 - Strategic Entrepreneurship in Agri-Food</td>
<td>AgEc 3283 and AgEc 3282 or Finance 3000</td>
</tr>
</tbody>
</table>

#### Agribusiness Management - Farm & Ranch Management Degree Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgEc 3256 - Agribusiness &amp; Biotechnology Law</td>
<td>None</td>
</tr>
<tr>
<td>AgEc 3260 - General Farm Management</td>
<td>AgEc 1041 or Econ 1014</td>
</tr>
<tr>
<td>AgEc 3294 - Agricultural Marketing &amp; Procurement</td>
<td>AgEc 2183</td>
</tr>
<tr>
<td>AgEc 4962 - Planning the Farm Business</td>
<td>AgEc 3260</td>
</tr>
</tbody>
</table>

#### Agricultural Economics - Public Policy Degree Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisites</th>
</tr>
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<tbody>
<tr>
<td>AgEc 2070 - Environmental Economics Policy</td>
<td>Sophomore standing</td>
</tr>
<tr>
<td>AgEc 3230 - Agricultural &amp; Rural Economic Policy</td>
<td>AgEc 1041 or Econ 1014 and AgEc 1042 or Econ 1015</td>
</tr>
<tr>
<td>AgEc 3271 - International Agricultural Development</td>
<td>AgEc 1041 or Econ 1014 and AgEc 1042 or Econ 1015</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>AgEc 3272 - International Food &amp; Trade Policy</td>
<td>AgEc 1041 or Econ 1014 and AgEc 1042 or Econ 1015</td>
</tr>
<tr>
<td>Econ 4351 - Intermediate Microeconomics</td>
<td>AgEc 1041 or Econ 1014 and Econ 1024 or Econ 1051 and Math 1400 or equivalent</td>
</tr>
<tr>
<td>AgEc 4990 - Agricultural Economics Capstone Seminar</td>
<td>AgEc 4251</td>
</tr>
</tbody>
</table>

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Course Offerings

Approved Electives

Business Electives
Students in Agribusiness Management and the Farm and Ranch Management emphasis area are required to take additional hours of business courses to focus the student's program beyond courses specifically required. Please note, if a course is specifically required for your degree, it cannot fulfill both the degree requirement AND a business elective. Course approved as business electives include:

- AgEc 2223
- AgEc 3150
- AgEc 3224
- AgEc 3230
- AgEc 3241
- AgEc 3283
- AgEc 3286
- AgEc 3294
- AgEc 4295
- AgEc 4972
- AgEc 4993
- AgEc 4990
- Acctcy 2258
- Trulaske College of Business: courses 3000+

- AgEc 3260 or AgEc 4940 with prior approval

Supporting Agriculture Sciences
The following departments offer courses in production agriculture and natural resources, and are approved to fulfill the supporting agriculture sciences elective requirement:

- Agricultural Systems Management
- Animal Sciences
- Biochemistry
- Biological Engineering
- Fisheries and Wildlife
- Food Science
- Forestry
- Natural Resources
- Plant Science
- Soil and Atmospheric Science
- Sustainable Agriculture

The following departments DO NOT offer production agriculture or natural resources:

- Agriculture (excluding the courses listed below)
- Agricultural Economics
- Agricultural Education
- Hospitality Management
- Parks, Recreation & Tourism
- Rural Sociology
- Science & Agricultural Journalism

The following agricultural sustainability courses are also approved to fulfill the supporting agriculture sciences elective requirement: Afnr 2215, 3215, and 3315

Public Policy Electives
Students emphasizing in Public Policy must choose a total of nine credit hours from either the courses below or with prior approval. Courses approved as public policy electives include:

- AgEc 3241
- AgEc 3271 or 3272
- AgEc 3256 or 3257
- AgEc 3260
- AgEc 3270
- AgEc 3286
- AgEc 3294
- AgEc 4356
- AgEc 4972
- Econ 4315

- AgEc 4940 with prior approval

International Electives
Students are required to take three credit hours of international electives. The following courses are approved to fulfill the international elective requirement:

- AgEc 3150
- AgEc 3271
- AgEc 3272
- Afnr 2190
- Afnr 2191
- Other campus courses with prior approval
General Courses

**AgEc 1010**  
Intro to Agribusiness Management (3)  
*Offered: Fall*
Management concepts and techniques. Coordination of business activity, motivation, and decision-making approaches used by industry leaders in the global food chain. Unique aspects of managing enterprises in the agriculture-food sector.

**AgEc 1011**  
Survey Global Agribusiness (1)  
*Offered: Not currently available*
Global production, consumption, trade, and investment patterns in agriculture-food sector.

**AgEc 1041**  
Applied Microeconomics (3)  
*Offered: Fall, Summer*
Introduction to microeconomic principles and their application to decision-making in agribusinesses, consumer decision analysis, producer goals, optimization, the market, and current issues. Cannot receive credit for both AgEc 1041 and Econ 1014.

**AgEc 1042**  
Applied Macroeconomics (3)  
*Offered: Spring*
Introduction to macroeconomic principles and their application to the agriculture-food sector and natural resource issues, decision making, and evaluating national and regional economic issues. Cannot receive credit for both AgEc 1042 and Econ 1015.

**AgEc 1200**  
Applied Computer Applications  
*Offered: Spring, Summer*
Applied problem based learning opportunity for students to gain Excel spreadsheet related skills critical to careers in agriculture, food and natural resources. Students will learn intermediate and advanced spreadsheet skills essential for problem solving and decision making in these biologically influenced fields.

**AgEc 2050**  
For the Love of Food: Global Food System Debate (3)  
*Offered: Spring*
Develop students’ understanding of the food system from farm to plate and the consumer’s role in the global food system. Gaining and knowledge base on food system dynamics will allow students to better understand societal and policy making processes behind food production. Each week we will discuss key topics and issues facing the food system today. This class will help students develop critical thinking skills to address challenges in the global food system.

**AgEc 2070**  
Environmental Economics & Policy (3) (WI)  
*Offered: Spring*
Examines current environmental and natural resource issues using a systems perspective and key economic concepts. Explores connections between the environment and the economy based on problems at the local, national and international levels.  
*Prereq: Sophomore standing*

**AgEc 2123**  
Quantitative Applications in Ag Economics (3)  
*Offered: Fall, Spring*
Familiarize students with the use of calculus and other quantitative tools in developing and analyzing fundamental economic concepts.  
*Prereq: AgEc 1041 or Econ 1014 and Math 1400*

**AgEc 2156**  
Intro to Environmental Law (3)  
*Offered: Not currently available*
Environmental issues from a legal perspective, using current controversies from both the USA and other countries. Major environmental laws dealing with water, air, noise, endangered species, waste disposal and land use.

**AgEc 2183**  
The Agricultural Marketing Systems (3)  
*Offered: Fall, Spring*
Analysis of marketing systems that transforms agricultural products into food products. Examines functions and institutions in marketing and distributing food from both micro and macro perspectives.  
*Prereq: AgEc 1041 or Econ 1014*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offered</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>AgEc 2223</td>
<td>Agricultural Sales (3)</td>
<td>Fall, Spring</td>
<td>Principles of salesmanship in agricultural input and output markets; buyer motivations; time and territory management, communication models and techniques; planning and executing sales calls. *Prereq: AgEc 1041</td>
</tr>
<tr>
<td>AgEc 2225</td>
<td>Statistical Analysis (3) (MRP)</td>
<td>Fall, Spring</td>
<td>Elementary statistical inference. *Prereq: Math 1100</td>
</tr>
<tr>
<td>AgEc 3150</td>
<td>International Agribusiness (3)</td>
<td>Summer (online)</td>
<td>This course covers the primary factors that shape the business environment for food and agricultural firms conducting business across borders. The course examines how culture, institutions and public policy affect business operations and business strategies. *Prereq: AgEc 2183 or instructor consent</td>
</tr>
<tr>
<td>AgEc 3224</td>
<td>New Products Marketing (3) (WI)</td>
<td>Fall, Spring</td>
<td>Learning experience to develop skills in marketing new agricultural products. To include market analysis, goals and objectives, action plan, financial evaluation and monitoring and measurement. In small groups, students will develop complete marketing plan for a new product. *Prereq: English 1000 and either AgEc 1041 or Econ 1014</td>
</tr>
<tr>
<td>AgEc 3230</td>
<td>Agricultural and Rural Economy Policy (3)</td>
<td>Spring</td>
<td>Study and analysis of past and present government policies affecting agriculture and rural economy. *Prereq: AgEc 1041 or Econ 1014, and AgEc 1042 or Econ 1015</td>
</tr>
<tr>
<td>AgEc 3241</td>
<td>Ethical Issues in Agriculture (3) (WI)</td>
<td>Spring</td>
<td>The study of how economics, philosophy, and science inform on and impact important ethical problems in agriculture, such as the environment, biotechnology, animal welfare, farm structure, the role of agribusiness, development, sustainability and agriculture-related public policy. Course may be repeated once for credit. *Prereq: English 1000 and AgEc 1041 or equivalent and junior standing</td>
</tr>
<tr>
<td>AgEc 3256</td>
<td>Agribusiness and Biotechnology Law (3)</td>
<td>Fall, Spring</td>
<td>Legal concepts applicable to agribusiness and biotech firms. Includes contracts, product liability, warranties, corporate farm laws, corporations, partnerships, limited liability companies, labor laws, patents, copyrights, trademarks, and ethical perspectives. *Prereq: None</td>
</tr>
<tr>
<td>AgEc 3257</td>
<td>Rural and Agricultural Law</td>
<td>Not currently available</td>
<td>Everyday practical legal problems facing rural residents, farmers, agribusiness, and local government. Laws include statutes, common law (cases), customs, and administrative regulations. Topics include corporate/contract farming, right-to-farm, leases, fence laws, estate planning and water rights. *Prereq: 3 hours of AgEc or Econ</td>
</tr>
<tr>
<td>AgEc 3260</td>
<td>General Farm Management (3)</td>
<td>Fall</td>
<td>Economic and management principals applied to planning and operating farm businesses. Includes enterprise combination, resource acquisitions, water management, profit maximization techniques and annual adjustments to changing conditions. *Prereq: AgEc 1041 or Econ 1014</td>
</tr>
</tbody>
</table>
AgEc 3270
Conservation and Use of Protected Areas (3)
Offered: Not currently available
Evaluation of socioeconomic, cultural and ecological values influencing the development and management of protected areas including parks, forests, wildlife refuges, wilderness and wild/scenic rivers.
*Prereq: AgEc 1041 or equivalent, or AgEc 2070 and introductory natural resources courses, or instructor consent.

AgEc 3271
International Agricultural Development (3)
Offered: Spring
Examines world food problems, analyzes its causes, economic and non-economic policy alternatives for modernizing agriculture in less-developed countries.
*Prereq: AgEc 1041 or Econ 1014, and AgEc 1042 or Econ 1015

AgEc 3272
International Food Trade and Policy (3)
Offered: Fall
Examines food trade, develops economic analyses of trade impacts on domestic agricultural policies, examines international trade agreements, and interface of trade and environment.
*Prereq: AgEc 1041 or Econ 1014, and AgEc 1042 or Econ 1015

AgEc 3282
Agribusiness Finance (3)
Offered: Fall, Spring
Application of the concepts and methods of finance to the management of agribusiness firms, including cooperatives. Special attention is given to the working capital needs of agribusiness and to the specialized lending institutions in the agricultural economy.
*Prereq: AgEc 1041 or Econ 1014 and Accncy 2036 or 2026

AgEc 3283
Fundamentals of Entrepreneurship (3)
Offered: Fall
Introduce students to entrepreneurial way of thinking. Entrepreneurship is a way of thinking about identifying/creating opportunities and transforming those opportunities into new businesses, new institutions, or solutions to problems. Students will participate in the process of formulating and evaluating solutions to problems and of identifying and exploiting opportunities.
*Prereq: AgEc 1041 or Econ 1014 and Accncy 2036 or 2026

AgEc 3285
Problems Course (1-3)
Offered: Fall, Spring, Summer
Supervised study in a specialized phase of agricultural economics.
*Prereq: AgEc 1041 and 1042. Graded S/U only. Instructor consent required.

AgEc 3286
Economics of Managerial Decision Making (3)
Offered: Fall, Spring
Introduces tools and concepts from price theory, game theory, industrial organization, and organizational economics, and applies them to managerial decision making activities for businesses in the agri-food system and for natural resource and environmental management.
*Prereq: AgEc 2123 and 2183

AgEc 3294
Agricultural Marketing & Procurement (3)
Offered: Fall
Content of course focuses on marketing issues in the agriculture supply chain. Topics covered include price discovery, basis, futures/options, contracting, logistics, and management decision making.
*Prereq: AgEc 2183

AgEc 3295
Real Money: Speculative Trading for Beginners (3)
Offered: Arranged (online)
Familiarize students with the learning components of commodity future trading. Students learn through involvement by investing in a commodity pool and trading futures market contracts. Students apply both fundamental and technical analysis. Students taking this course are required to invest from $200 to $600 in $200 increments.
*Prereq: AgEc 2183, 3294, or instructor’s consent
Courses at the 4000 level may be taken for graduate level credit consistent with the MU Graduate School policy for dual enrollment. Please see your advisor for more information.

**AgEc 4230**
Understanding the Agricultural Policy Process (3)
Offered: Fall
The goal of this course is to prepare students for a career in agricultural policy and will build the skill set needed in the agricultural policy environment.
*Prereq: AgEc 3230 and instructor’s consent

**AgEc 4251**
Agricultural Prices (3)
Offered: Fall, Spring
Variations in prices of agricultural products and their underlying factors.
*Prereq: AgEc 2123 and AgEc 2225 or Stat 2500

**AgEc 4295**
Agricultural Risk Management (3)
Offered: Fall
This class examines the range of risks businesses face and explore ways of characterizing and evaluating those risks.
*Prereq: AgEc 2183 and 2225, or instructor’s consent

**AgEc 4301**
Topics in Agricultural Economics (1-3)
Offered: Fall, Spring
Current and new topics not currently offered in applied and/or theoretical areas in Agricultural Economics.

**AgEc 4340**
Rural Real Estate Appraisal (3)
Offered: Mizzou Online only
Principles, techniques, practices of rural real estate appraisal. Field trips.
*Prereq: AgEc 3260

**AgEc 4356**
Environmental Law and Policy (3)
Offered: Not currently offered
Legislative, administrative, and common law dealing with the environment. Introduces fundamental concepts and classic issues underlying the body of law and policy dealing with the environment. Includes air and water quality, endangered species preservation, land use & waste disposal.
*Prereq: Senior or graduate standing. Recommended: AgEc 2156, and either AgEc 3256 or 3257

**AgEc 4940**
Internship Experiences in AgEc (1-3)
Offered: Summer (online)
Combines study, observation, and employment in a public agency or private firm in marketing, farm management, or credit. Staff supervision and evaluation. Reports required.
*Prereq: 2.5 GPA, 75 hours of course work and instructor's consent. Graded S/U only.

**AgEc 4962**
Planning the Farm Business (3)
Offered: Spring
Economic analysis and planning of the farm business and its organization. Applications of computerized management techniques to farm business including resource acquisition, tax management, enterprise analysis, and business analysis through farm records and budgets.
*Prereq: AgEc 3260

**AgEc 4971**
Agribusiness Management Strategy (3) (WI)
Offered: Fall
Analysis of industry forces in agriculture and food sector. Assessing risks and firms’ capabilities. Development of firm’s competitive strategy, including vertical integration, diversification, international business option, and financial planning and performance measurement.
*Prereq: AgEc 3282 or Finance 3000, and AgEc 3286 or Mgmt 3000

**AgEc 4972**
Agri-Food Business and Cooperative Management (3)
Offered: Spring
Risk management in the global agri-food chain, including managing the unique uncertainties of biological production processes, global market analysis, and government intervention, of risk management tools and institutions unique to strategic decision making in agribusiness and cooperative firms.
*Prereq: AgEc 4971 and AgEc 3286 or Mgmt 3000
**AgEc 4983**  
Strategic Entrepreneurship in Agri-Food (3)  
*Offered: Spring*  
Strategic entrepreneurship is the search for opportunities to generate income streams from innovation, development of new markets, and altering the rivalry positions in existing markets.  
*Prereq: AgEc 3283 and AgEc 3282 or Finance 3000*

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**AgEc 4990**  
Economic Analysis of Policy and Regulation  
*Offered: Spring*  
Apply key concepts of agricultural economics in traditional and non-traditional settings.  
*Prereq: AgEc 4251*