AGRICULTURAL BUSINESS MANAGEMENT, B.S.

Today's businesses and industries in the agricultural and food sectors of the economy are growing rapidly. Agribusiness industries, such as those that supply farm inputs or process and market agricultural products, need staff who are educated in both business and agriculture. Students in agricultural business management also find employment in companies specializing in biological systems engineering, landscape architecture, biotechnology, food technology, food science, food marketing, and large-scale farm enterprises.

The Bachelor of Science in Agricultural Business Management degree program (ABM) enables students to obtain a strong foundation in economics to learn how businesses make decisions and minimize risk and how to use applied mathematics and statistics to analyze prices and markets. Agricultural and Applied Economics (AAE) courses constitute a substantial segment of the curriculum for the B.S. in Agricultural Business Management degree. In addition to general college requirements, a major in ABM includes courses in economics, math, and statistics. ABM students will also take credits from the School of Business. (See Requirements tab for more information.)

Agricultural Business Management emphasizes coursework in the functional areas of the business school: accounting, finance, marketing, management, and human resources.

To declare this major, students must be admitted to UW–Madison and have begun their undergraduate studies. For more information, contact the advisor listed under the Advising and Careers tab.

Students in the Agricultural Business Management BS degree program may not declare the Certificate in Business Management for Agricultural and Life Sciences.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education

- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies, Science, and Capstone), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS B.S. DEGREE PROGRAMS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.</td>
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<tr>
<td></td>
<td>Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.</td>
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Agricultural Business Management, B.S.

First Year Seminar (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext) 1
International Studies (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext) 3

Physical Science Fundamentals 4-5
- CHEM 103 General Chemistry I
- or CHEM 108 Chemistry in Our World
- or CHEM 109 Advanced General Chemistry

Biological Science 5

Additional Science (Biological, Physical, or Natural) 3

Science Breadth (Biological, Physical, Natural, or Social) 3

CALS Capstone Learning Experience: included in the requirements for each CALS major (see “Major Requirements”) (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext)

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Mathematics and Statistics</strong></td>
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<tr>
<td>This major requires calculus. Prerequisites may need to be taken before enrollment in calculus.</td>
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<tr>
<td>Select one of the following:</td>
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<td>5</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 217</td>
<td>Calculus with Algebra and Trigonometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 221</td>
<td>Calculus and Analytic Geometry I</td>
<td></td>
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<tr>
<td>Select one of the following:</td>
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<td>3-4</td>
</tr>
<tr>
<td>ECON 310</td>
<td>Statistics: Measurement in Economics</td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introduction to Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>STAT 324</td>
<td>Introductory Applied Statistics for Engineers</td>
<td></td>
</tr>
<tr>
<td>STAT 371</td>
<td>Introductory Applied Statistics for the Life Sciences</td>
<td></td>
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<tr>
<td>GEN BUS 306 &amp; GEN BUS 307</td>
<td>Business Analytics I and Business Analytics II</td>
<td></td>
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<tr>
<td>SOC/C&amp;E SOC 360</td>
<td>Statistics for Sociologists I</td>
<td></td>
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<tr>
<td>PSYCH 210</td>
<td>Basic Statistics for Psychology</td>
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</tbody>
</table>

| Core | | |
| A A E 215 | Introduction to Agricultural and Applied Economics | 4 |
| or ECON 101 | Principles of Microeconomics | |
| ECON 102 | Principles of Macroeconomics | 3-4 |
| ECON 301 | Intermediate Microeconomic Theory | 4 |
| or ECON 311 | Intermediate Microeconomic Theory - Advanced Treatment | |
| ECON 302 | Intermediate Macroeconomic Theory | 4 |
| or ECON 312 | Intermediate Macroeconomic Theory - Advanced Treatment | |
| A A E 320 | Farming Systems Management | 3 |
| A A E 322 | Commodity Markets | 4 |
| A A E 419 | Agricultural Finance | 3 |
| A A E/ECON 421 | Economic Decision Analysis | 4 |
| ACCT I S 100 | Introductory Financial Accounting | 2 |
| or ACCT I S 300 | Accounting Principles | |
| Select three of the following: | | 9 |
| ECON/FINANCE 300 | Introduction to Finance | |
| GEN BUS 301 | Business Law | |
| GEN BUS 310 | Fundamentals of Accounting and Finance for Non-Business Majors | |
| GEN BUS 311 | Fundamentals of Management and Marketing for Non-Business Majors | |
| MARKETING 300 | Marketing Management | |
| M HR 300 | Managing Organizations | |
| M HR 305 | Human Resource Management | |
| ACCT I S 211 | Introductory Managerial Accounting | |

Capstone 3

| Total Credits | | 52-54 |

1 ACCT I S 100 is a prerequisite for ACCT I S 211.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree To receive a bachelor’s degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

Quality of Work Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

1. Use economic concepts to think critically about real-world problems and business management issues.
2. Use appropriate quantitative techniques to analyze business management issues.
3. Communicate results effectively orally and in writing.
FOUR-YEAR PLAN

SAMPLE AGRICULTURAL BUSINESS MANAGEMENT
FOUR-YEAR PLAN

Freshman
Fall Credits
COMM A 3
MATH 211 1 5
MATH 112 or 114 3-5
First Year Seminar 1
CALS Biological Science 3
Electives 3

Spring Credits
5
A A E 215 4
Ethnic Studies 3
Electives 3

Total Credits 28-30

Sophomore
Fall Credits
ECON 102 3-4
A A E 320 3
Statistics Course 3
Humanities 3
Electives 3

Spring Credits
ECON 301 4
A A E 322 4
CALS Biological Science Requirement 3
Business Core Course 3
Electives 3

Total Credits 29-30

Junior
Fall Credits
ECON 302 4
Comm B 4
A A E 335 2
Electives 6

Spring Credits
A A E 419 3
Business Core Course 3
CHEM 108 5
Electives 2

Total Credits 31

Senior
Fall Credits
A A E/ECON 421 4
CALS International Studies 3
Business Core Course 3
Electives 5

Spring Credits
A A E 500 3
ACCT I S 100 or 300 3
Electives 9

Total Credits 30

1 Students must complete MATH 211 Calculus or MATH 217 or MATH 221. Students may satisfy the required level of math proficiency through the math placement exam. On the other hand, this level of competence may require as many as three semesters of coursework in mathematics.

2 ABM students are required to take 9 credits from FINANCE/ECON 300, GEN BUS 301, GEN BUS 310, GEN BUS 311.

MARKETING 300, M H R 300 (Organizational Behavior), M H R 305 (Human Resources), and ACCT I S 211.

ADVISING AND CAREERS

For more information or to declare a major in agricultural business management, contact:

Linda Davis
Department of Agricultural and Applied Economics
424 Taylor Hall
608-262-9488
linda.davis@wisc.edu

CAREERS

Students with a degree in agricultural business management often find careers in areas such as banking and finance, business analysis, marketing, management, commodities trading, sales or consulting.

Types of employers:
- Agribusiness firms
- Financial institutions, banks or investment firms
- Local, state or federal government agencies
- Co-operatives
- Retail food companies
- Tech companies

Students can use the services provided by the CALS Career Services Office (https://cals.wisc.edu/academics/undergraduate-students/career-services/), which include help with creating a resume or cover letter and mock interviews. CALS students also have access to Handshake (https://cals.wisc.edu/academics/undergraduate-students/career-services/handshake/), an online job/internship posting tool that provides students with hundreds of job and internship listings.

PEOPLE

PROFESSORS
Barham, Bradford
Chavas, Jean-Paul
Coxhead, Ian
Deller, Steven
Fletcher, Jason*
Foltz, Jeremy
Mitchell, Paul
Phaneuf, Daniel (Chair)
Provencher, R. William
Rutherford, Thomas
Schechter, Laura
Shi, Guanming
Stiegert, Kyle

ASSOCIATE PROFESSORS
Du, Sheldon
Grainger, Corbett
Parker, Dominic

ASSISTANT PROFESSORS
Conroy, Tessa*
Dower, Paul
Johnston, Sarah
Mukherjee, Priya
Stevens, Andrew

FACULTY ASSOCIATES
Beach, Jeremy
Berner, Courtney
Dong, Fengxia
Stephenson, Mark*

LECTURER
Schmidt, Silke
van Rijn, Jordan

UNDERGRADUATE ADVISOR
Davis, Linda

*AAE Affiliate Faculty

WISCONSIN EXPERIENCE

CAPSTONE
Students in the Agricultural Business Management (ABM) degree program must complete the senior capstone requirement. For our majors, the capstone is a specific class which offers students the opportunity to work in a group with other students in their area of interest to produce a final project and present it to their fellow students and Agricultural and Applied Economics faculty. Students will have the opportunity to demonstrate how the concepts they have learned in their ABM classes are applied to real-world situations.

INTERNSHIP
Internships allow students to gain professional experience and skills that future employers value. Agricultural Business Management students are encouraged to complete an internship during their undergraduate years and some of them choose to receive academic credit for their internship. An internship lets you experience a career to see if it’s the right one for you, allows you to gain useful skills, and provides an opportunity to make connections with professionals in the industry. Students usually complete an internship during the summer after their sophomore or junior year.

RENK SCHOLARSHIP PROGRAM
Agricultural Business Management majors are eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The Renk Scholarship Program is part of the Renk Agribusiness Institute (https://renk.aae.wisc.edu/) and emphasizes leadership in contemporary agricultural issues and activities linked to agribusiness.

STUDY ABROAD
Students in the Agricultural Business Management degree program may choose to study abroad. Study abroad programs offer students the opportunity to gain an international perspective and can prepare students to participate in today’s global economy. International Academic Programs (IAP) (https://www.studyabroad.wisc.edu/) serves as the primary study abroad office on campus, offering over 200 programs in over 60 countries around the world. IAP program offerings, available to all majors, range from short-term, faculty-led opportunities to intensive language study, internships, a semester or a year at a university overseas, service-learning, and programs with special themes. There are also international programs offered through the College of Agricultural and Life Sciences (CALS) (https://cals.wisc.edu/academics/undergraduate-students/studyabroad/). Study abroad programs in CALS cover a variety of content areas such as sustainable development, food systems, agriculture, health and wellness, and community and economic development.

RESOURCES AND SCHOLARSHIPS

SCHOLARSHIPS
The Department of Agricultural and Applied Economics offers a number of scholarships to our majors. All students in the Agricultural Business Management degree program are encouraged to apply each year for department and CALS scholarships through the Wisconsin Scholarship Hub (WiSH). Students in the Agricultural Business Management degree program are also eligible to apply for the Renk Scholarship Program (https://renk.aae.wisc.edu/renk-scholarship/), which can provide scholarships for up to three years. The Renk Scholarship Program is part of the Renk Agribusiness Institute (https://renk.aae.wisc.edu/) and emphasizes leadership in contemporary agricultural issues and activities linked to agribusiness.