AGRICULTURAL ECONOMICS

Description
Students in agricultural economics learn to apply economic and financial principles to the analysis of problems in agriculture, business, government, and other areas. The degree program offers students the opportunity to gain skills in planning, evaluation, and management that are useful in both private- and public-sector enterprises.

Agricultural economics students must choose one of four available options (Applied Economics, Farm and Ranch Management, Public Policy, or Quantitative Analysis).

College Requirements

College Admission
Requirements for admission into the College of Agricultural Sciences and Natural Resources (CASNR) are consistent with general University admission requirements (one unit equals one high school year): 4 units of English, 4 units of mathematics, 3 units of natural sciences, 3 units of social studies, and 2 units of foreign language. Students must also meet performance requirements (ACT composite of 20 or higher OR combined SAT score of 950 or higher OR rank in the top one-half of graduating class). Transfer students must have a 2.0 (on a 4.0 scale) cumulative grade point average and 2.0 on the most recent term of attendance. For students entering the PGA Golf Management degree program, a certified golf handicap of 12 or better (e.g., USGA handicap card) or written ability (MS Word file) equivalent to a 12 or better handicap by a PGA professional or high school golf coach is required. For more information, please visit: http://pgm.unl.edu/requirements.

Admission Deficiencies/Removal of Deficiencies
Students who are admitted to CASNR with core course deficiencies must remove these deficiencies within the first 30 credit hours at the University of Nebraska–Lincoln or within the first calendar year at Nebraska, whichever takes longer, excluding foreign languages. Students have up to 60 credit hours to remove foreign language deficiencies. College-level course work taken to remove deficiencies may be used to meet degree requirements in CASNR.

Deficiencies in the required entrance subjects can be removed by completion of specified courses in the University or by correspondence.

The Office of Admissions, Alexander Building (south entrance), City Campus, provides information to new students on how deficiencies can be removed.

College Degree Requirements

Curriculum Requirements
The curriculum requirements of the College consist of three areas: ACE (Achievement-Centered Education), College of Agricultural Sciences and Natural Resources Core; and Degree Program requirements and electives. All three areas of the College Curriculum Requirements are incorporated within the description of the Major/Degree Program sections of the catalog. The individual major/degree program listings of classes insure that a student will meet the minimum curriculum requirements of the College.

Foreign Languages/Language Requirement
Two units of a foreign language are required. This requirement is usually met with two years of high school language.

Minimum Hours Required for Graduation
The College grants the bachelor's degree in programs associated with agricultural sciences, natural resources and related programs. Students working toward a degree must earn at least 120 semester hours of credit. A minimum cumulative grade point average of C (2.0 on a 4.0 scale) must be maintained throughout the course of studies and is required for graduation. Some degree programs have a higher cumulative grade point average required for graduation. Please check the degree program on its graduation cumulative grade point average.

Grade Rules
Removal of C-, D and F Grades
Only the most recent letter grade received in a given course will be used in computing a student's cumulative grade point average if the student has completed the course more than once and previously received a grade or grades below C in that course.

The previous grade (or grades) will not be used in the computation of the cumulative grade point average, but it will remain a part of the academic record and will appear on any transcript.

A student can remove from his/her cumulative average a course grade of C, D+, D, D- or F if the student repeats the same course at the University of Nebraska and receives a grade other than P (pass), I (incomplete), N (no pass), W (withdrawn), or NR (no report). If a course is no longer being offered, it is not eligible for the revised grade point average computation process.

For complete procedures and regulations, see the Office of the University Registrar website at http://www.unl.edu/regrec/course-repeats.

Pass/No Pass
Students in CASNR may take any course offered on a Pass/No Pass basis within the 24-hour limitation established by the Faculty Senate. However, a department may specify that the Pass/No Pass status of its courses be limited to non-majors or may choose to offer some courses for letter grades only.

GPA Requirements
A minimum cumulative grade point average of C (2.0 on a 4.0 scale) must be maintained throughout the course of studies and is required for graduation. Some degree programs have a higher cumulative grade point average required for graduation. Please check the degree program on its graduation cumulative grade point average.

Transfer Credit Rules
To be considered for admission, a transfer student, Nebraska resident or nonresident, must have an accumulated average of C (2.0 on a 4.0 scale) and a minimum C average in the last semester of attendance at another college. Transfer students who have completed less than 12 credit hours of college study must submit either ACT or SAT scores.

Ordinarily, credits earned at an accredited college are accepted by the University. The College, however, will evaluate all hours submitted on an application for transfer and reserves the right to accept or reject any of them. Sixty (60) is the maximum number of hours the University will accept on transfer from a two-year college. Ninety (90) is the maximum number of hours the University will accept from a four-year college. Transfer credit in the degree program must be approved by the degree program advisor on a Request for Substitution Form to meet specific course requirements, group requirements, or course level requirements in the major. At least 9 hours in the major field, including the capstone course, must be completed at the University of Nebraska–Lincoln regardless of the number of hours transferred.
The College will accept no more than 10 semester hours of C, D+, D and D- grades from other schools. The C, D+, D and D- grades can only be applied to free electives. This policy does not apply to the transfer of grades from UNO or UNK to the University of Nebraska–Lincoln.

Joint Academic Transfer Programs
The College of Agricultural Sciences and Natural Resources has agreements with many institutions to support joint academic programs. The transfer programs include dual degree programs and cooperative degree programs. Dual degree programs offer students the opportunity to receive a degree from a participating institution and also to complete requirements for a bachelor of science degree in CASNR. Cooperative programs result in a single degree from either the University of Nebraska–Lincoln or the cooperating institution.

Dual Degree Programs
A to B Programs
The A to B Program, a joint academic program offered by the CASNR and participating community colleges, allows students to complete the first two years of a degree program at the participating community college and continue their education and study in a degree program leading toward a bachelor of science degree.

The A to B Program provides a basic knowledge plus specialized course work. Students transfer into CASNR with junior standing.

Depending on the community college, students enrolled in the A to B Program may complete the requirements for an associate of science at the community college, transfer to the University of Nebraska–Lincoln, and work toward a bachelor of science degree.

Participating community colleges include:

- Central Community College
- Metropolitan Community College
- Mid-Plains Community College
- Nebraska College of Technical Agriculture
- Northeast Community College
- Southeast Community College
- Western Nebraska Community College

3+2 Programs
Two specialized degree programs in animal science and veterinary science are offered jointly with an accredited college or school of veterinary medicine. These two programs permit CASNR animal science or veterinary science students to receive a bachelor of science degree from the University of Nebraska–Lincoln with a degree in animal science or veterinary science after successfully completing two years of the professional curriculum in veterinary medicine at an accredited veterinary school. Students who successfully complete the 3+2 Program, must complete the “Application for Degree” form and provide transcripts to the Credentials Clerk, Office of the University Registrar, 107 Canfield Administration Building. Students should discuss these degree programs with their academic advisor.

Cooperative Degree Programs
Academic credit from the University and a cooperating institution is applied towards a four-year degree from either the University of Nebraska–Lincoln (University degree-granting program) or the cooperating institution (non University degree-granting program). All have approved programs of study.

UNL Degree-Granting Programs
A University of Nebraska–Lincoln degree-granting program is designed to provide students the opportunity to complete a two-year program of study at one of the four-year institutions listed below, transfer to CASNR and complete the requirements for a bachelor of science degree.

Chadron State College. Chadron State College offers a 2+2 program leading to a grassland ecology and management degree program and a transfer program leading to a Bachelor of Science in Agricultural Education in the teaching option.

Wayne State College. Wayne State College offers a 3+1 program leading to a Bachelor of Science in Plant Biology in the ecology and management option.

University of Nebraska at Kearney. Transfer programs are available for students pursuing degree programs leading to a bachelor of science degree.

University of Nebraska at Omaha. The University of Nebraska at Omaha (UNO) cooperates with CASNR in providing four-semester pre-agricultural sciences, pre-natural resources, pre-food science and technology, pre-horticulture and pre-turfgrass and landscape management transfer programs.

A student enrolled in these programs may transfer all satisfactorily completed academic credits identified in the suggested program of study, and enter CASNR to study toward a degree program leading to a bachelor of science degree. The total program would require a minimum of four years or eight semesters (16 credit hours/semester or 120 credit hours).

Nebraska CASNR faculty teach horticulture and food science and technology courses at UNO to assist an urban population in better understanding the food processing, horticulture, and landscape horticulture industries.

For more information, contact the CASNR Dean's Office, 800-472-8800, ext. 2541.

Non University of Nebraska–Lincoln Degree-Granting Programs
The CASNR cooperates with other institutions to provide course work that is applied towards a degree at the cooperating institution. Pre-professional programs offered by CASNR allow students to complete the first two or three years of a degree program at the University prior to transferring and completing a degree at the cooperating institution.

Chadron State College—Range Science. The 3+1 Program in range science allows Chadron State College students to pursue a range science degree through Chadron State College. Students complete three years of course work at Chadron State College and one year of specialized range science course work (32 credit hours) at CASNR.

Dordt College (Iowa) – Agricultural Education: Teaching Option. This program allows students to pursue an Agricultural Education Teaching Option degree leading toward a bachelor of science in agricultural education. Students at Dordt College will complete 90 credit hours in the Agricultural Education: Teaching Option Transfer Program.

Residency
Students must complete at least 30 of the total hours for their degree using University of Nebraska–Lincoln credits. At least 18 of the 30 credit hours must be in courses offered through CASNR (>299) including the appropriate ACE 10 degree requirement or an approved ACE 10 substitution offered through another Nebraska college and excluding independent study regardless of the number of hours transferred. Credit
earned during education abroad may be used toward the residency requirement if students register through UNL and participate in prior-approved education abroad programs. University of Nebraska–Lincoln open enrollment and summer independent study courses count toward residence.

1 Includes courses taught by CASNR faculty through interdisciplinary prefixes (e.g., LIFE, MBIQ, ENV, SCIL, EAEFP, HRTM, ENSC) and CASNR crosslisted courses taught by non-CASNR faculty.

Online and Distance Education
There are many opportunities to earn college credit online through the University of Nebraska–Lincoln. Some of these credits may be applicable not only as elective credits, but also toward the fulfillment of the College’s education requirements. Credits earned online may count toward residency. However, certain offerings may not be counted toward scholarship requirements or academic recognition criteria.

For further information, contact:
Office of Online and Distance Education
University of Nebraska–Lincoln
305 Brace Labs
Lincoln, NE 68588-0109
402-472-4681
http://online.unl.edu/

Independent Study Rules
Students wishing to take part in independent studies must obtain permission; complete and sign a contract form; and furnish copies of the contract to the instructor, advisor, departmental office, and the Dean’s Office. The contract should be completed before registration. Forms are available in 103 Agricultural Hall or online at the CASNR website.

Independent study projects include research, literature review or extension of course work under supervision and evaluation of a departmental faculty member.

Students may only count 12 hours of independent study toward their degrees and no more than 6 hours can be counted during their last 36 hours earned, excluding senior thesis, internships, and courses taught under an independent study number.

Other College Degree Requirements
Capstone Course Requirement
A capstone course is required for each CASNR degree program. A capstone course is defined as a course in which students are required to integrate diverse bodies of knowledge to solve a problem or formulate a policy of societal importance.

ACE Requirements
All students must fulfill the Achievement Centered Education (ACE) requirements. Information about the ACE program may be viewed at ace.unl.edu (https://ace.unl.edu).

The minimum requirements of CASNR reflect the common core of courses that apply to students pursuing degrees in the college. Students should work with an advisor to satisfy ACE outcomes 1, 2, 3, 4, 6 and 10 with the college requirements.

Catalog Rule
Students must fulfill the requirements stated in the catalog for the academic year in which they are first admitted to the University of Nebraska–Lincoln or when they were first admitted to a Joint Academic Transfer Program. In consultation with advisors, a student may choose to follow a subsequent catalog for any academic year in which they are admitted to and enrolled as a degree-seeking student at Nebraska in the College of Agricultural Sciences and Natural Resources. Students must complete all degree requirements from a single catalog year. The catalog which a student follows for degree requirements may not be more than 10 years old at the time of graduation.

Learning Outcomes
Majors in agricultural economics will be able to:

1. Understand and apply economic and business principles along with analytical methods to practical issues and problems in food, agriculture, business, community vitality and natural resources.
2. Understand international forces that have an impact upon United States agriculture and the domestic economy.
3. Effectively communicate, to both specialized and lay audiences, such matters as agricultural business management decisions, business marketing plans and economic and policy analysis through written, oral and electronic means as individuals and as team participants.

Major Requirements

Core Requirements

College Integrative Course

| SCIL 101 | Science and Decision-Making for a Complex World | 3 |
| Credit Hours Subtotal: |  |
| Communications |
| Written Communication (ACE 1) |
| Select one of the following: | 3 |
| ENGL 150 | Writing and Inquiry | |
| ENGL 151 | Writing and Argument | |
| ENGL 254 | Writing and Communities | |
| JGEN 120 | Basic Business Communication | |
| JGEN 200 | Technical Communication I | |
| JGEN 300 | Technical Communication II | |
| Oral Communication (ACE 2) |
| Select one of the following: | 3 |
| ALEC 102 | Interpersonal Skills for Leadership | |
| COMM 101 | Communication in the 21st Century | |
| COMM 209 | Public Speaking | |
| COMM 210 | Communicating in Small Groups | |
| COMM 215 | Visual Communication | |
| COMM 283 | Interpersonal Communication | |
| COMM 286 | Business and Professional Communication | |
| JGEN 300 | Technical Communication II | |
| MRKT 257 | Sales Communication | |
| NRES 301 | Environmental Communication Skills | |
| TMFD 121 | Visual Communication and Presentation | |
| Credit Hours Subtotal: | 6 |

Mathematics and Statistics (ACE 3)

| STAT 218 | Introduction to Statistics | 3 |
| or ECON 215 | Statistics | |
| Select one of the following: | 3-5 |
| MATH 104 | Applied Calculus | |

Agricultural Economics
Agricultural Economics

MATH 106  Calculus I  
Credit Hours Subtotal:  6-8

Natural Sciences (ACE 4)
Select one each from two of the following areas:  8
Select from CASNR Approved Life Sciences:
- AGRO 131 / HORT 131 & AGRO 132: Plant Science and Agronomic Plant Science Laboratory
- BIOS 101 & BIOS 101L: General Biology and General Biology Laboratory
- ENTO 115 / BIOS 115 & ENTO 116 / BIOS 116: Insect Biology and Insect Identification
- HORT 131 / AGRO 131 & HORT 133: Plant Science and Horticultural Plant Science Laboratory
- LIFE 120 & LIFE 120L: Fundamentals of Biology I and Fundamentals of Biology I Laboratory
- LIFE 121 & LIFE 121L: Fundamentals of Biology II and Fundamentals of Biology II Laboratory

Select from the following:
- CHEM 105: Chemistry in Context I
- CHEM 109: General Chemistry I

Select from the following:
- MSYM 109: Physical Principles in Agriculture and Life Sciences
- PHYS 141: Elementary General Physics I
- PHYS 151: Elements of Physics
- PHYS 211: General Physics I

Credit Hours Subtotal:  8

Economics, Humanities and Social Sciences
- AECN 141: Introduction to the Economics of Agriculture  3
  or ECON 212: Principles of Microeconomics  3
- ECON 211: Principles of Macroeconomics  3
Select one course from each ACE outcomes 5, 7, 8, and 9  12
Credit Hours Subtotal:  18
Total Credit Hours Subtotal:  41-43

Applied Economics

The Applied Economics Option is designed for students with interests in a wide range of issues in agricultural economics. It allows flexibility in course selection so that students can develop programs related to their particular needs and career directions.

Agricultural Economics
- AECN 100: New Student Career Orientation  1
Select 24 hours of AECN or ABUS electives. Must include
12 hours at the 300 level or above and at least one of the following capstone (ACE 10) courses:  
- AECN 420: International Food and Agricultural Trade
- AECN 425: Agricultural Marketing in a Multinational Environment

AECN 435: Advanced Agricultural Marketing Management
AECN 445 / NREE 445: Agricultural and Natural Resource Policy Analysis
AECN 453: Agricultural and Rural Property Appraisal
Credit Hours Subtotal:  25

Agricultural Sciences and Natural Resources
Select 12 hours of CASNR electives  12
Credit Hours Subtotal:  12

Supporting Courses
- ACCT 201: Introductory Accounting I  3
- ACCT 202: Introductory Accounting II  3
- ECON 311: Intermediate Macroeconomics  3
- ECON 312: Intermediate Microeconomics  3
Select one of the following:
- AECN 340: Quantitative Methods in Agribusiness
- AECN 401: Advanced Farm Management and Linear Programming
- ECON 417: Introductory Econometrics
- SCMA 331: Operations and Supply Chain Management
Select 6 hours of CBA or Agricultural Economics electives  6
Credit Hours Subtotal:  21

Free Electives
Select 19-21 hours  19-21
Credit Hours Subtotal:  19-21
Total Credit Hours:  77-79

1  Excludes AECN 388.
2  At least 9 hours at the 200 level or above (including AGRO 153), (excluding AECN courses and ALEC 388).
3  200 level or above.

Farm and Ranch Management Option

The Farm and Ranch Management Option emphasizes economics and business aspects of production, marketing, and management in agriculture. It prepares students for management of farm and ranch businesses and for professional careers dealing closely with production agriculture.

Agricultural Economics
- AECN 100: New Student Career Orientation  1
- AECN 201: Farm and Ranch Management  4
Select one of the following:
- AECN 256: Legal Aspects in Agriculture
- BLAW 300: Business, Government & Society
- BLAW 372: Business Law I
- AECN 301: Farm Accounting, Analysis, and Tax Management  3
- AECN 235: Introduction to Commodity Marketing  3
- AECN 325 / MRKT 325: Marketing of Agricultural Commodities  3
- AECN 401: Advanced Farm Management and Linear Programming  3
- AECN 435: Advanced Agricultural Marketing Management (ACE 10)  3

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AECN 435: Advanced Agricultural Marketing Management
AECN 445 / NREE 445: Agricultural and Natural Resource Policy Analysis
AECN 453: Agricultural and Rural Property Appraisal
Credit Hours Subtotal:  25

Agricultural Sciences and Natural Resources
Select 12 hours of CASNR electives  12
Credit Hours Subtotal:  12

Supporting Courses
- ACCT 201: Introductory Accounting I  3
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- AECN 325 / MRKT 325: Marketing of Agricultural Commodities  3
- AECN 401: Advanced Farm Management and Linear Programming  3
- AECN 435: Advanced Agricultural Marketing Management (ACE 10)  3

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- AECN 420: International Food and Agricultural Trade
- AECN 425: Agricultural Marketing in a Multinational Environment

AECN 435: Advanced Agricultural Marketing Management
AECN 445 / NREE 445: Agricultural and Natural Resource Policy Analysis
AECN 453: Agricultural and Rural Property Appraisal
Credit Hours Subtotal:  25

Agricultural Sciences and Natural Resources
Select 12 hours of CASNR electives  12
Credit Hours Subtotal:  12

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- ACCT 201: Introductory Accounting I  3
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Select 6 hours of CBA or Agricultural Economics electives  6
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Free Electives
Select 19-21 hours  19-21
Credit Hours Subtotal:  19-21
Total Credit Hours:  77-79

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>AECN 452</td>
<td>Agricultural Finance</td>
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<td>Agricultural and Rural Property Appraisal</td>
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<td>ECON 312</td>
<td>Intermediate Microeconomics</td>
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<td><strong>Select one of the following:</strong></td>
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<tr>
<td>MNGT 300</td>
<td>Management Essentials For Contemporary Organizations</td>
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<tr>
<td>MNGT 301</td>
<td>Introduction to Management</td>
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<td>MNGT 360</td>
<td>Managing Behavior in Organizations</td>
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<td>MNGT 361</td>
<td>Human Resource Management</td>
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<tr>
<td>ENTR 322 / MNGT 322</td>
<td>Family Business</td>
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<tr>
<td>ASCI 100</td>
<td>Fundamentals of Animal Biology and Industry</td>
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</tr>
<tr>
<td>AGRO 153 / HORT 153 / SOIL 153</td>
<td>Soil Resources</td>
<td>4</td>
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<tr>
<td>AGRO 215 / HORT 215 / TLMT 215</td>
<td>Genetics</td>
<td>4</td>
</tr>
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#### Agricultural Specialization

Select either Agronomy or Animal Science Specialization:

- **Agronomy Specialization** (min of 6 hours at 300 & 400 level). Choose from any 200 level or higher AGRO courses.
- **Animal Sciences Specialization** (min of 6 hours at 300 & 400 level). Choose from any 200 level or higher ASCI courses.

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#### Free Electives

Select 12-14 hours

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<td><strong>Total Credit Hours</strong></td>
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1. **Capstone course.**

### Public Policy Option

The Public Policy Option emphasizes the economic analysis of public policy issues related to agriculture. It prepares students for careers in public-sector agencies, legislative offices, international organizations, and private sector organizations.

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<td>AECN 100</td>
<td>New Student Career Orientation</td>
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</tr>
<tr>
<td>AECN 345</td>
<td>Policy Issues in Agriculture and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>AECN 445 / NREE 445</td>
<td>Agricultural and Natural Resource Policy Analysis (ACE 10)</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Select 6 hours of AECN or ABUS electives</strong></td>
<td><strong>6</strong></td>
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**Policy Analysis**
pursue graduate study in agricultural economics or related areas. The Quantitative Analysis Option is designed for students intending to pursue graduate study in agricultural economics or related areas.

### Quantitative Analysis Option

The Quantitative Analysis Option is designed for students intending to pursue graduate study in agricultural economics or related areas.

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</tr>
<tr>
<td>AECN 445 / NREE 445</td>
<td>Agricultural and Natural Resource Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>AECN 453</td>
<td>Agricultural and Rural Property Appraisal</td>
<td>3</td>
</tr>
<tr>
<td>AECN 450</td>
<td>Operations and Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 208</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>STAT 380</td>
<td>Statistics and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 3 hours of CBA or AECN electives

#### Free Electives

Select 14-16 hours

Total Credit Hours: 14-16

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 311</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 417</td>
<td>Introductory Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>AECN 401</td>
<td>Advanced Farm Management and Linear Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

### Pre-Law Option

An applicant will be accepted into the 3-3 Program at the College of Law if the applicant:

1. Has an LSAT score of at least 156;
2. Has a cumulative undergraduate GPA of 3.6 or higher as calculated by the Law School Admission Council;
3. Will have successfully completed at least 75% of the course credits required for his or her undergraduate degree, along with all other requirements of his or her undergraduate degree program, by the date of matriculation at the College of Law. Course credits may include no more than six credit hours of pass/fail course work;
4. Has submitted on time the materials required of all applicants to the College of Law, including a completed application, satisfactory letters of recommendation, a personal statement, and records of the required course credits;
5. Has not been on academic probation at any undergraduate institution;
6. Has provided the College of Law with a letter from the relevant Dean, or other administrator of equivalent authority, of the applicant’s undergraduate institution stating that the applicant has completed all institutional requirements for participation in the 3-3 Law College Program and that the institution will grant the applicant an undergraduate degree upon the applicant’s successful completion of the first year College of Law course work.

If the above requirements are satisfied, the applicant will automatically be accepted into the 3-3 Law Program unless there is information concerning the applicant that reflects adversely on the applicant’s character and fitness, including criminal citations, pending criminal charges, or criminal convictions. In such cases, the application will be individually reviewed by the College of Law Admissions Committee.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 100</td>
<td>New Student Career Orientation</td>
<td>1</td>
</tr>
<tr>
<td>AECN 201</td>
<td>Farm and Ranch Management</td>
<td>4</td>
</tr>
<tr>
<td>AECN 420</td>
<td>International Food and Agricultural Trade</td>
<td>3</td>
</tr>
<tr>
<td>AECN 425</td>
<td>Agricultural Marketing in a Multinational Environment</td>
<td>4</td>
</tr>
<tr>
<td>AECN 435</td>
<td>Advanced Agricultural Marketing Management</td>
<td>4</td>
</tr>
<tr>
<td>AECN 445 / NREE 445</td>
<td>Agricultural and Natural Resource Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>AECN 450</td>
<td>Operations and Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 hours of AECN or ABUS electives including 9 hours at the 300 level or above and one of the following capstone (ACE 10) courses:

Capstone (ACE 10)
**Agricultural Economics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 425</td>
<td>Agricultural Marketing in a Multinational Environment</td>
<td>3</td>
</tr>
<tr>
<td>AECN 435</td>
<td>Advanced Agricultural Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>AECN 445 / NREE 445</td>
<td>Agricultural and Natural Resource Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>AECN 453</td>
<td>Agricultural and Rural Property Appraisal</td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 20

**Agricultural Sciences and Natural Resources**

Select 3 hours of CASNR electives ²

Credit Hours Subtotal: 3

**Supporting Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Accounting for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>ECON 311</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AECN 340</td>
<td>Quantitative Methods in Agribusiness</td>
<td>3</td>
</tr>
<tr>
<td>or AECN 401</td>
<td>Advanced Farm Management and Linear Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 12

**Year 1 College of Law**

Select 30 hours of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAW 503</td>
<td>Torts I</td>
<td>3</td>
</tr>
<tr>
<td>LAW 505 &amp; LAW 506</td>
<td>Property I and Property II</td>
<td>3</td>
</tr>
<tr>
<td>LAW 501 &amp; LAW 502</td>
<td>Contracts I and Contracts II</td>
<td>3</td>
</tr>
<tr>
<td>LAW 516 &amp; LAW 517</td>
<td>Civil Procedure I and Civil Procedure II</td>
<td>3</td>
</tr>
<tr>
<td>LAW 508</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>LAW 513 &amp; LAW 514</td>
<td>Legal Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>LAW 518</td>
<td>International Perspectives in U.S. Legal System: Practicing Law in a Global Legal Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 30

**Free Electives**

Complete 12-14 hours

Credit Hours Subtotal: 12-14

Total Credit Hours: 77-79

1 Excluded AECN 388.

2 200 level or above (including AGRO 153) (excluding AECN courses and ALEC 388).

### International Requirements

Nine (9) hours of course work with an international focus are required as part of the 120 hours required for a degree. Course options include the following list or those listed in the University’s Global Studies degree program or CASNR International Agriculture and Natural Resources minor program.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI 282</td>
<td>Introduction to Global Agricultural and Natural Resources Issues</td>
<td>3</td>
</tr>
<tr>
<td>AGRI 310</td>
<td>Study Tours in International Agriculture</td>
<td>1-5</td>
</tr>
<tr>
<td>NRES 492</td>
<td>International Study Tours in Natural Resource Management</td>
<td>1-3</td>
</tr>
<tr>
<td>AECN 346</td>
<td>World Food Economics</td>
<td>3</td>
</tr>
<tr>
<td>AECN 367</td>
<td>Agricultural Development in Developing Countries</td>
<td>3</td>
</tr>
<tr>
<td>AECN 420</td>
<td>International Food and Agricultural Trade</td>
<td>3</td>
</tr>
<tr>
<td>AECN 425</td>
<td>Agricultural Marketing in a Multinational Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

### ACE Requirements

ACE courses cannot be used to count in two separate requirement areas except in the case of International Requirements (see above).

### Requirements for Minor Offered By Department

#### Agricultural Economics Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 141</td>
<td>Introduction to the Economics of Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 212</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AECN 201</td>
<td>Farm and Ranch Management</td>
<td>4</td>
</tr>
<tr>
<td>AECN 235</td>
<td>Introduction to Commodity Marketing</td>
<td>3</td>
</tr>
<tr>
<td>or AECN 225 / EAEP 225 / MRKT 225</td>
<td>Agribusiness Entrepreneurship in Food Products Marketing</td>
<td>3</td>
</tr>
<tr>
<td>AECN 265 / NREE 265</td>
<td>Resource and Environmental Economics I</td>
<td>3</td>
</tr>
<tr>
<td>Select 5 hours of additional Agricultural Economics courses ¹</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 18

Total Credit Hours: 18

¹ Excluding AECN 141, with 3 hrs at the 300 level or above (excluding AECN 388)

#### Community Economics and Social Dynamics Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 276 / SOCI 241</td>
<td>Rural Sociology</td>
<td>3</td>
</tr>
<tr>
<td>AECN 376</td>
<td>Rural Community Economics</td>
<td>3</td>
</tr>
<tr>
<td>AECN 396</td>
<td>Independent Study in Agricultural Economics</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 371</td>
<td>Elements of Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>PA 8436 / PA 4430</td>
<td>Municipal Administration (UNO)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Additional Major Requirements

Students completing an agricultural economics degree program may not receive a second major in agricultural economics.

### Grade Rules

**Pass/No Pass**

Agricultural economics students must complete at least 15 credit hours of agricultural economics courses for a grade (not Pass/No Pass).
Credit Hours Subtotal: 10-14

Additional Courses
Select two of the following: 6

- ANTH 212 / ETHN 212  Introduction to Cultural Anthropology
- CRPL 300  The Community and the Future
- CRPL 400  Introduction to Planning
- CRPL 480  Economic Development Planning
- ECON 340  Introduction to Urban-Regional Economics
- ECON 371  Elements of Public Finance
- PSYC 288  The Psychology of Social Behavior
- SOCI 346  Environmental Sociology

Credit Hours Subtotal: 6

Total Credit Hours 16-20

Grade Rules
Pass/No Pass
Agricultural economics students must complete at least 15 credit hours of agricultural economics courses for a grade (not Pass/No Pass).

AECN 100 New Student Career Orientation
Prerequisites: First semester freshmen; major in agricultural economics or related discipline.
Description: Academic success and development of leadership skills through involvement and activities on campus. Time management and study skills. Identify potential internship and career opportunities.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC

AECN 109 Water in Society
Crosslisted with: SCIL 109, NRES 109, ENVR 109, GEOG 109
Description: Introduction to the scientific, social, and economic dimensions of historical and contemporary water systems. Students will develop an understanding of hydrologic systems and analyze and engage in decision-making about complex challenges associated with water resource use.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Offered: FALL
Prerequisite for: SCIL 300
ACE: ACE 6 Social Science

AECN 141 Introduction to the Economics of Agriculture
Notes: Not recommended for students who have math entrance deficiencies. Open to freshmen and sophomores only.
Description: Introductory course on the basic principles of agricultural economics. Production economics, principles of supply and demand, resource economics, world food situation, marketing of agricultural products, and agricultural public policy.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Prerequisite for: ABUS 341, MRKT 341; AECN 201; AECN 235; AECN 265; NREE 265; AECN 301; AECN 316; AECN 345; AECN 346; AECN 367; AECN 376; AECN 436; AECN 453; AECN 474; BLAW 371; BLAW 371H; BLAW 372; ECON 303; ECON 311; ECON 321; ECON 340; ECON 388; ECON 389; FINA 300; FINA 361; MNGT 301; MNGT 301H; MRKT 300; SCMA 331; SCMA 335; SCMA 350; SCMA 350H

AECN 175 Introduction to Excel
Description: Introduction to spreadsheet use, specifically Microsoft Excel. Become proficient at the basic uses of Excel, including data entry, record-keeping, and formula use. Also includes more advanced topics including programming logic, data analysis, and presentation of results.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC

AECN 201 Farm and Ranch Management
Prerequisites: AECN 141 or ECON 212.
Description: Various economic principles and business management concepts which are involved in the decision-making process when organizing and operating a farming/ranching operation. Includes production economics, record keeping systems, financial budgets and analysis, crop and livestock enterprise analysis, leasing arrangements, depreciation, farm business organizations, farm investment analysis, pasture/rangeland management, and production efficiency indicators.
Credit Hours: 4
Max credits per semester: 4
Max credits per degree: 4
Format: LEC

AECN 225 Agribusiness Entrepreneurship in Food Products Marketing
Crosslisted with: EAEP 225, MRKT 225
Notes: Pass/No Pass option not allowed for College of Business Administration majors.
Description: Marketing strategies and entrepreneurship ventures throughout a food systems channel from producers of agricultural commodities to processors of food products and the final consumer. Entrepreneurship studies dealing with food processors, wholesaling, retailing and food service firms. Create strategic marketing plan to introduce a new food product into a retail consumer market.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Prerequisite for: AECN 316
AECN 235 Introduction to Commodity Marketing  
**Prerequisites:** AECN 141 or ECON 212  
**Description:** This course focuses on the foundations of commodity markets. It discusses how markets were created, how commodities are traded from producers to final consumers, the role of transportation and storage, among other topics. It provides a broad and detailed discussion of economic theories behind markets, how they work in practice, and the current state of these markets in the world.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC  
**Prerequisite for:** AECN 325, MRKT 325, AECN 336

AECN 256 Legal Aspects in Agriculture  
**Prerequisites:** Sophomore standing  
**Description:** Legal aspects of agriculture: taxation, contracts, property rights, buying and selling real estate, condemnation, land use regulations, leases, co-ownership, partnerships, corporations, commercial transactions, credit, liability, insurance, estate planning, water law, and agricultural regulations. A practical exposure to the legal institutions of Nebraska.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

AECN 265 Resource and Environmental Economics I  
**Crosslisted with:** NREE 265  
**Prerequisites:** ECON 211; ECON 212 or AECN 141.  
**Description:** Introduction to resource economics and the role of such concepts in natural resource management. The interface of economics and ecology in the context of both private and public decision making. Application of economic principles to actual natural resource/environmental issues.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

AECN 275 Agribusiness Entrepreneurial Finance  
**Crosslisted with:** EAEP 275, ENTR 275, HORT 275, AGRO 275  
**Description:** Overview of financial issues for agribusiness start-ups. Business funding specific to new enterprises. Case studies on financial practices for start-up firms.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

AECN 276 Rural Sociology  
**Crosslisted with:** SOCI 241  
**Prerequisites:** Open to second semester freshmen and above.  
**Description:** The rural environment and its people; its groups and associations; and its social institutions.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

AECN 301 Farm Accounting, Analysis, and Tax Management  
**Prerequisites:** AECN 141 or ECON 212.  
**Notes:** AECN 201 recommended.  
**Description:** Business record systems for farming and ranching. Financial statements; income tax and decision making; farm business and enterprise analysis.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

AECN 316 Agribusiness Management  
**Prerequisites:** AECN 141 (or ECON 210 or ECON 212), AECN 225 or 325, and three credit hours in Accounting.  
**Description:** For students interested in careers leading to managerial positions in the grain, feed, fertilizer, farm petroleum and related agricultural industries. The focus is on the use of financial statements, operating and managerial functions, communication, and the interpersonal work environment within an organization. Presentation is by lecture integrated with experiential learning through use of an agribusiness management simulation.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC  
**Prerequisite for:** AECN 416

AECN 325 Marketing of Agricultural Commodities  
**Crosslisted with:** MRKT 325  
**Prerequisites:** AECN 235  
**Description:** Operation and use of agricultural commodity markets and institutions as applied to enterprise and firm risk management. Cash; futures and futures option markets; basis; hedging; price discovery; fundamental analysis; and risk management strategies.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC  
**Prerequisite for:** AECN 316

AECN 336 Grain Merchandising  
**Prerequisites:** AECN 235  
**Description:** Study of grain merchandising concepts, tools, and strategies as they relate to grain buyers. Focus on integration of topics from this course and AECN 235 to help students understand how grain is traded from the perspective of the grain buyer.  
**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC
AECN 340 Quantitative Methods in Agribusiness
Prerequisites: ECON 312
Notes: Students can take ECON 312 as a prerequisite or concurrently.
Description: Learn how to apply, integrate and adapt economic theory tools and use quantitative data to address current important issues in agricultural markets and to think critically and analytically about economic issues in general and managerial decisions in particular. Use Excel to organize, analyze and present quantitative data and learn how quantitative data can be used to support economic decision making in agribusiness.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Offered: FALL/SPR

AECN 345 Policy Issues in Agriculture and Natural Resources
Prerequisites: AECN 141 or ECON 212
Description: History, development, programs, and analysis of public policy issues in agriculture and natural resources. Analysis of science, economic, and political factors involved in policy development. Farm policy and farm structure, food and nutrition, trade and development, natural resources, the environment, and bioenergy, with special attention to issues and policies impacting Nebraska.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 346 World Food Economics
Prerequisites: AECN 141 or ECON 212 and ECON 211
Description: Description and economic evaluation of world food systems, including production, distribution, and consumption in developing and industrialized countries. Economic implications of alternative means for meeting world food needs, with emphasis on the social science aspects of the world food availability and needs, policies, and the economics of technological change. Familiarity with spreadsheets (Excel) required.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 9 Global/Diversity

AECN 357 Natural Resource and Environmental Law
Crosslisted with: NREE 357
Prerequisites: Junior standing
Notes: SCIL 101 or GEOG 181 recommended.
Description: Environmental impact review; air and water pollution control; solid and hazardous waste control; endangered species and habitat preservation; land use regulation; state and federal water rights law.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

Prerequisite for: AECN 456, AECN 856, NREE 456; AECN 457, AECN 857, NREE 457, WATS 457

AECN 367 Agricultural Development in Developing Countries
Prerequisites: AECN 141 or ECON 210 and ECON 211
Description: Exploration of the nature of traditional agriculture in developing countries of Africa, Asia, and Latin America and alternative approaches to accelerating its development. Explores the role of the agricultural sector in the overall development process. Familiarity with using spreadsheets (Excel) required.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 9 Global/Diversity

AECN 376 Rural Community Economics
Prerequisites: AECN 141 or ECON 210 or 212
Description: Application of economic and social principles and concepts relevant to understanding rural communities and the issues and problems they face. Public decision-making process and the skills necessary for constructive participation in community affairs.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 388 Ethics in Agriculture and Natural Resources
Crosslisted with: ALEC 388
Description: Ethics focusing on agricultural and natural resource issues. Using case studies from the professional workplace and contemporary society, develops intellectual skills necessary to reflect critically on ethical issues and apply appropriate conceptual tools for resolution of issues arising from conflicting ethical and value systems.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 8 Civic/Ethics/Stewardship

AECN 391 Special Topics in Agricultural Economics
Prerequisites: Permission
Description: Readings, discussion, and analysis of current theory, issues, problems, research, and practice in agricultural economics, natural resource economics, and agribusiness. Topics vary.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 396 Independent Study in Agricultural Economics
Prerequisites: Permission and advance approval of independent study contract at the start of each semester.
Description: Individual or group projects in research, literature review, or extension of course work under supervision and evaluation of a departmental faculty member.
Credit Hours: 1-5
Min credits per semester: 1
Max credits per semester: 5
Max credits per degree: 5
Format: IND
AECN 401 Advanced Farm Management and Linear Programming
Crosslisted with: AECN 801
Prerequisites: AECN 201.
Description: The role of budgeting and linear programming in analyzing farm organization problems, theory of linear programming, linear program design, and analysis of linear programmed solutions to farm organization problems. Includes goal programming, multiple objective programming, risk programming, and financial modeling.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 416 Advanced Agribusiness Management
Prerequisites: AECN 316; ACCT 201 and 202; FINA 361 or AECN 452; MNGT 360 or 361; ACCT 201 and 202.
Description: Conduct industry and business research in strategic management of an agribusiness. Internal and external factors and competitive forces, affecting the firm. Integration of concepts from various economic and business disciplines.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 420 International Food and Agricultural Trade
Prerequisites: ECON 311 and ECON 312
Notes: Capstone course.
Description: Application of basic principles of international trade and finance to food and agricultural trade. Particular attention to current policy issues in agricultural trade such as the pros and cons of regional trade blocks, alternative agricultural and trade policies, the effects of exchange rate variation on agricultural trade, and trade and environmental protection. Familiarity with spreadsheets (Excel) is required.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 9 Global/Diversity ACE 10 Integrated Product

AECN 425 Agricultural Marketing in a Multinational Environment
Prerequisites: 9 hrs agricultural economics and/or economics or permission.
Description: Systems approach to evaluating the effects of current domestic and international political and economic events on agricultural markets.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 9 Global/Diversity ACE 10 Integrated Product

AECN 435 Advanced Agricultural Marketing Management
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 10 Integrated Product

AECN 436 Commodity Price Forecasting
Prerequisites: ECON 215 or STAT 218; ECON 212 or AECN 141
Notes: Recommended course (but not required): AECN 325
Description: Participants in commodity markets are constantly trying to forecast prices, since a sound analysis of expected prices in the future is important in many dimensions for producers, merchandisers and all market participants. The overall objective of this course is to teach students how to analyze and forecast commodity prices using fundamental and technical approaches. The most common techniques from each approach will be discussed, focusing on how they can be implemented, their advantages and disadvantages, how they differ and how they can complement each other.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 445 Agricultural and Natural Resource Policy Analysis
Crosslisted with: NREE 445
Prerequisites: ECON 311 and ECON 312
Notes: Capstone course. Familiarity with spreadsheets (Excel) required.
Description: Introduction to the application of economic concepts and tools to the analysis and evaluation of public policies. Economic approaches to policy evaluation derived from welfare economics. Social benefit-cost analysis described and illustrated through applications to current agricultural and natural resource policy issues.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 10 Integrated Product ACE 8 Civic/Ethics/Stewardship

AECN 452 Agricultural Finance
Crosslisted with: AECN 852
Prerequisites: AECN 201 or 4 hrs accounting.
Description: Principles and concepts of financial management of farm and agribusiness firms developed. Various strategies for acquiring and using capital resources by the individual firm explored. Institutions providing the sources of agricultural credit are individually studied.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Prerequisite for: AECN 416

AECN 453 Agricultural and Rural Property Appraisal
Prerequisites: AECN 141, or ECON 210 or 212. AECN 201 and AGRO 153 recommended.
Description: Valuation of agricultural and rural real estate traced from the underlying theory of value through full development of principles, practices, and factors used by the appraisal profession to estimate value. The income approach, the market data approach, and the cost approach to value developed in detail. Appraisal procedure analyzed for such special purposes as farm loans, tax assessment, and condemnation.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
ACE: ACE 10 Integrated Product
AECN 456 Environmental Law
Crosslisted with: AECN 856, NREE 456
Prerequisites: Junior standing. AECN 357/NREE 357
Notes: Available through Online and Distance Education.
Description: Administrative law, risk assessment, environmental impact review, Clean Air Act, Clean Water Act, non-point pollution control, wetlands regulations pesticide and toxic substance regulation, solid and hazardous waste regulation, drinking water protection, land use regulation, energy policy, and international environmental law.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: PSI

AECN 457 Water Law
Crosslisted with: AECN 857, NREE 457, WATS 457
Prerequisites: AECN/NREE 357.
Description: Environmental impact review; public trust doctrine; endangered species; land use controls; wetlands regulation; surface and ground water rights; Indian and federal water rights; impact of water quality regulations on water allocation.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: PSI

AECN 465 Resource and Environmental Economics II
Crosslisted with: AECN 865, NREE 465, WATS 465
Prerequisites: MATH 104 and one course in statistics.
Description: Application of resource economics concepts and empirical tools to resource management problems. Public policy issues involving environmental quality, land and water management.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

AECN 467 Pro-seminar in International Relations
Crosslisted with: ECON 466, POLS 466, POLS 866, ANTH 479, ANTH 879, ECON 866, GEOG 448, GEOG 848, HIST 479, HIST 879, SOCI 466, SOCI 866
Prerequisites: Senior standing and permission.
Description: Topic varies.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Groups: Integrative Courses, Research Comp Intrtnl & Reg Develpmnt Human-Economic Geography International Relations&Compar Variable group based on topic

AECN 471 Agricultural Marketing and Product Development I
Prerequisites: Junior standing or permission.
Notes: AECN 225 recommended.
Description: Selection of an agriculturally related product or service and the development of a comprehensive marketing plan. Market analysis of physical, economic and financial feasibility and formalization of an effective promotional product campaign.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: IND
Prerequisite for: AECN 472

AECN 472 Agricultural Marketing and Product Development II
Prerequisites: Junior standing or permission; AECN 471.
Description: Further refinement in the development of marketing plan from AECN 471. Condensation of marketing plan into executive summary and preparation of professional oral presentation. Extensive interaction with the local agribusiness community and participation in national agri-marketing competition.
Credit Hours: 2
Max credits per semester: 2
Max credits per degree: 2
Format: IND

AECN 474 Cooperatives
Prerequisites: ECON 212 or AECN 141
Description: Role of cooperatives in market-oriented economies presented. Topics include cooperative business principles, the economic theory of cooperative pricing decisions, the fundamentals of co-op accounting principles, financing, decision making, and taxation. Focus will be primarily upon traditional agricultural cooperatives; other types of cooperatives will be examined in some detail.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
Offered: SPRING

AECN 482 Beef Industry Scholars - National Beef Industry Policy
Crosslisted with: ASCI 482
Prerequisites: ASCI 481; ASCI 395A or ASCI 395B or GRAS 490 or AECN 495C.
Notes: Requires attending the National Cattlemen's Beef Association (NCBA) annual convention and then, communicating the new policy and issues to local organizations and undergraduate student groups. Letter grade only.
Description: Discuss and dissect issues from the NCBA convention researching the pros and cons of current and proposed policy.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC
Offered: SPRING

AECN 495A Internship in Agricultural Financing and Banking
Prerequisites: Junior standing. ABUS major with Agricultural Finance and Banking option.
Description: Internship experience in agricultural finance, banking, lending, or management through employment in a financial institution.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: FLD

AECN 495B Internship in Food Products Marketing Management
Prerequisites: Junior standing. ABUS major with Food Products Marketing Management option.
Description: Internship experience in food products marketing, supply chain and firm management, and related areas through employment in agribusiness and food products production or marketing firms.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: FLD
AECN 495C Internship in Agricultural and Public Policy
Prerequisites: Departmental permission
Description: Internship with Congressional delegations or committees; government agencies; non-governmental organizations; or related groups and areas that provides a focus on agricultural or public policy issues and development.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 3
Format: FLD
Prerequisite for: ASCI 482, AECN 482

AECN 495D Internship in Commodity Marketing
Prerequisites: Departmental Permission
Notes: AECN 235 - Introduction to Commodity Marketing is recommended
Description: The overall objective of this internship is to allow students to gather more exposure to commodity markets and hands-on experience in the field.
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 3
Format: FLD

AECN 495E Internship in Agricultural Industry and Agribusiness
Prerequisites: Departmental Permission
Description: Internship designed to give students hands-on experience in the agricultural industry and agribusiness. Development of practical experience and skills in identifying, understanding, analyzing, and addressing issues and opportunities in the agricultural industry and agribusiness
Credit Hours: 1-3
Min credits per semester: 1
Max credits per semester: 3
Max credits per degree: 6
Format: FLD
Groups: Ind Study, Special Top, Intern

AECN 499H Honors Thesis
Prerequisites: Admission to the University Honors Program and permission, AGRI 299H recommended.
Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis.
Credit Hours: 3-6
Min credits per semester: 3
Max credits per semester: 6
Max credits per degree: 6
Format: IND

PLEASE NOTE
This document represents a sample 4-year plan for degree completion with this major. Actual course selection and sequence may vary and should be discussed individually with your college or department academic advisor. Advisors also can help you plan other experiences to enrich your undergraduate education such as internships, education abroad, undergraduate research, learning communities, and service learning and community-based learning.