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 five available options:

- Applied Economics Option
- Farm and Ranch Management Option
- Public Policy Option
- Quantitative Analysis Option
- Pre-Law Option

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 sciences, and 2 units of world language. Students must also meet performance requirements: a 3.0 cumulative high school grade point average OR an ACT composite of 20 or higher, writing portion not required OR a score of 1040 or higher on the SAT Critical Reading and Math sections 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.

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. College-level coursework taken to remove deficiencies may be used to meet degree requirements in CASNR.

Deficiencies in the required entrance subjects can be removed by the 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 ensure that a student will meet the minimum curriculum requirements of the College.

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

Experiential Learning
All undergraduates in the College of Agricultural Sciences and Natural Resources must take an Experiential Learning (EL) designated course. This may include 0-credit courses designed to document co-curricular activities recognized as Experiential Learning.

Minimum Hours Required for Graduation
The College grants the bachelors 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 their 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 (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. These joint 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 the 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 coursework. 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 degree 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
- Nebraska Indian Community College
- 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 provide transcripts and complete the Application for Degree form via MyRED. Students without MyRED access may apply for graduation in person at Husker Hub in the Canfield Administration Building, or by mail. Students should discuss these degree programs with their academic advisor.

### Cooperative Degree Programs
Academic credit from the University and a cooperating institution are 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 and a 3+1 program leading to a bachelor of science in Applied Science.

#### 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.** Transfer programs are available for students pursuing degree programs leading to a bachelor of science degree.

#### Non University of Nebraska–Lincoln Degree-Granting Programs
CASNR cooperates with other institutions to provide coursework 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 coursework at Chadron State College and one year of specialized range science coursework (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 CASNR1 (>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 the University of Nebraska–Lincoln and participate in prior-approved education abroad programs. The 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, MBIO, ENVR, SCIL, EAEP, 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 coursework under the 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. Students transferring from a community college, but without admission to a Joint Academic Transfer Program, may be eligible to fulfill the requirements as stated in the catalog for an academic year in which they were enrolled at the community college prior to attending the University of Nebraska-Lincoln. This decision should be made in consultation with academic advisors, provided the student a) was enrolled in a community college during the catalog year they are utilizing, b) maintained continuous enrollment at the previous institution for 1 academic year or more, and c) continued enrollment at the University of Nebraska-Lincoln within 1 calendar year from their last term at the previous institution. 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 the University of Nebraska–Lincoln 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
Graduates of agricultural economics will be able to:

1. Display familiarity with a comprehensive set of economic principles and show the ability to apply a smaller set of these principles to specific resource/agricultural economic situations; specifically using quantitative and/or qualitative data to evaluate these decisions.
2. Relate national and global economies to the United States' food system/ag complex and understand the impacts of public policies as they relate to growth and prosperity.
3. Write and speak effectively using the appropriate mediums of communication and various levels of formality for professional exchanges of information.
4. Use critical thinking to understand the importance of diverse social relationships, global interdependencies, and personal and professional ethical standards.

Major Requirements
Core Requirements

<table>
<thead>
<tr>
<th>College Integrative Course (ACE 8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIL 101</td>
</tr>
<tr>
<td>Credit Hours Subtotal: 3</td>
</tr>
</tbody>
</table>

Communications

Written Communication (ACE 1)

Select one of the following:

| ENGL 150 | Writing and Inquiry |
| ENGL 151 | Writing for Change |
| 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:

| ENGL 254 | Writing and Communities |
| JGEN 120 | Basic Business Communication |
| JGEN 200 | Technical Communication I |
| JGEN 300 | Technical Communication II |

Graduates of agricultural economics will be able to:

1. Display familiarity with a comprehensive set of economic principles and show the ability to apply a smaller set of these principles to specific resource/agricultural economic situations; specifically using quantitative and/or qualitative data to evaluate these decisions.
2. Relate national and global economies to the United States' food system/ag complex and understand the impacts of public policies as they relate to growth and prosperity.
3. Write and speak effectively using the appropriate mediums of communication and various levels of formality for professional exchanges of information.
4. Use critical thinking to understand the importance of diverse social relationships, global interdependencies, and personal and professional ethical standards.
Agricultural Economics

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 with Animation  

Credit Hours Subtotal: 6

Mathematics and Statistics (ACE 3)

STAT 218  Introduction to Statistics  
or ECON 215 Statistics  
Select one of the following:  3-5
MATH 104  Applied Calculus  
MATH 106  Calculus I  

Credit Hours Subtotal: 3-5

Natural Sciences (ACE 4)

Select one each from two of the following areas: 8

Select from CASNR Approved Life Sciences:

BIOS 101  General Biology  
& BIOS 101L  and General Biology Laboratory  
ENTO 115 / BIOS 115  Insect Biology  
& ENTO 116 / BIOS 116  and Insect Identification  
PLAS 131  Plant Science  
& PLAS 132  and Agronomic Plant Science Laboratory  
PLAS 131  Plant Science  
& PLAS 133  and Horticultural Plant Science Laboratory  
PLAS 131  Plant Science  
& PLAS 134  and Plant Sciences Laboratory  
LIFE 120  Fundamentals of Biology I  
& LIFE 120L  and Fundamentals of Biology I Laboratory  
LIFE 121  Fundamentals of Biology II  
& LIFE 121L  and Fundamentals of Biology II Laboratory  

Select from the following:

CHEM 105A  Chemistry in Context I  
& CHEM 105L  and Chemistry in Context I Laboratory  
CHEM 109A  General Chemistry I  
& CHEM 109L  and General Chemistry I Laboratory  
AGST 109  Physical Principles in Agriculture and Life Sciences  
PHYS 141  Physics for Life Sciences I  
PHYS 151  Elements of Physics  
PHYS 211  General Physics I  

Credit Hours Subtotal: 8

Economics, Humanities and Social Sciences (ACE 6)

AECN 141  Introduction to the Economics of Agriculture  
or ECON 212  Principles of Microeconomics  
ECON 211  Principles of Macroeconomics  3
Select one course from each ACE outcome 5, 7, and 9  9

Credit Hours Subtotal: 15

Total Credit Hours 35-37

1 Required for Quantitative Analysis Option.

Applied Economics Option

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 20  Seminar in Agricultural and Applied Economics  0
AECN 100  New Student Career Orientation  1
AECN 175  Introduction to Excel  1
AECN 340  Quantitative Methods in Agribusiness  3
Select 24 hours of AECN or ABUS electives or from EAEP 201, EAEP 300, EAEP 301, EAEP 302, EAEP 388, EAEP 392, EAEP 496 or ENTR 322. Must include 12 hours at the 300 level or above and at least one of the following capstone (ACE 10) courses: 24

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
ASCJ 485  Animal Systems Analysis
EAEP 488 / ABUS 488  Entrepreneurship and Enterprise Development

Credit Hours Subtotal: 29

Agricultural Sciences and Natural Resources

Select 12 hours of CASNR electives  12

Credit Hours Subtotal: 12

Supporting Courses

ACCT 200  Accounting for Business Decisions  3
or ACCT 201  Introductory Accounting I  
& ACCT 202  and Introductory Accounting II  
ECON 311A  Intermediate Macroeconomics - Quantitative  3
or ECON 311B  Intermediate Macroeconomics - Descriptive  
Select one of the following:  3
AECN 436  Commodity Price Forecasting
AECN 401  Advanced Farm Management and Linear Programming
ECON 417  Introductory Econometrics
SCMA 331  Operations and Supply Chain Management

Select 6 hours of College of Business or agricultural economics electives  6

Credit Hours Subtotal: 15
### Free Electives
Select 21-26 hours

| Credit Hours Subtotal: | 21-26 |

Total Credit Hours: 77-82

1. Excludes INTF 320.
2. At least 9 hours at the 200 level or above, including AECN courses and INTF 320.
3. Select 200-level courses or above. Includes courses from ACCT, ACTS, AECN, BLAW, BSAD, EAEPE, ECON, ENTR, FINA, MNGT, MKRT, and SCMA. Includes EAEPE 201 and ENTR 322.

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

### Agricultural Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>AECN 20</td>
<td>Seminar in Agricultural and Applied Economics</td>
<td>0</td>
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<tr>
<td>AECN 100</td>
<td>New Student Career Orientation</td>
<td>1</td>
</tr>
<tr>
<td>AECN 175</td>
<td>Introduction to Excel</td>
<td>1</td>
</tr>
<tr>
<td>AECN 340</td>
<td>Quantitative Methods in Agribusiness</td>
<td>3</td>
</tr>
<tr>
<td>AECN 201</td>
<td>Farm and Ranch Management</td>
<td>4</td>
</tr>
<tr>
<td>AECN 301</td>
<td>Farm Accounting, Analysis, and Tax Management</td>
<td>3</td>
</tr>
<tr>
<td>AECN 235 / MRKT 235</td>
<td>Introduction to Commodity Marketing</td>
<td>3</td>
</tr>
<tr>
<td>AECN 325 / MRKT 325</td>
<td>Marketing of Agricultural Commodities</td>
<td>3</td>
</tr>
<tr>
<td>AECN 401</td>
<td>Advanced Farm Management and Linear Programming</td>
<td>3</td>
</tr>
<tr>
<td>AECN 435</td>
<td>Advanced Agricultural Marketing Management (ACE 10/Capstone Course)</td>
<td>3</td>
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<tr>
<td>AECN 452</td>
<td>Agricultural Finance</td>
<td>3</td>
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<tr>
<td>AECN 453</td>
<td>Agricultural and Rural Property Appraisal</td>
<td>3</td>
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</tbody>
</table>

Select one of the following:

- AECN 256 | Legal Aspects in Agriculture
- BLAW 300 | Business, Government & Society
- BLAW 372 | Business Law I

Credit Hours Subtotal: 33

### Supporting Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>ACCT 200</td>
<td>Accounting for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 201</td>
<td>Introductory Accounting I</td>
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</tr>
<tr>
<td>&amp; ACCT 202</td>
<td>Introductory Accounting II</td>
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</tr>
<tr>
<td>ECON 311A</td>
<td>Intermediate Macroeconomics - Quantitative</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 311B</td>
<td>Intermediate Macroeconomics - Descriptive</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- ENTR 322 | Family Business
- MNGT 300 | Management Essentials For Contemporary Organizations
- MNGT 301 | Introduction to Management
- MNGT 360 | Managing Behavior in Organizations

### Agricultural Sciences

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>PLAS 153</td>
<td>Soil Resources</td>
<td>4</td>
</tr>
<tr>
<td>SOIL 153</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PLAS 215</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>or BIOS 206</td>
<td>General Genetics</td>
<td>3</td>
</tr>
<tr>
<td>ASCI 100</td>
<td>Fundamentals of Animal Biology and Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 11

### Agricultural Focus Area

Select either Agronomy or Animal Science Focus Area:

- Agronomy Focus Area: min of 6 hours at 300 & 400 level. Choose from any 200-level or higher PLAS courses.
- Animal Sciences Focus Area: min of 6 hours at 300 & 400 level. Choose from any 200-level or higher ASCI courses.

Credit Hours Subtotal: 9

### Free Electives
Select 14-16 hours

| Credit Hours Subtotal: | 14-16 |

Total Credit Hours: 76-78

### 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.

<table>
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<tr>
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<tbody>
<tr>
<td>AECN 20</td>
<td>Seminar in Agricultural and Applied Economics</td>
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<td>AECN 100</td>
<td>New Student Career Orientation</td>
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</tr>
<tr>
<td>AECN 175</td>
<td>Introduction to Excel</td>
<td>1</td>
</tr>
<tr>
<td>AECN 340</td>
<td>Quantitative Methods in Agribusiness</td>
<td>3</td>
</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/Capstone Course)</td>
<td>3</td>
</tr>
<tr>
<td>or EAEP 488 / ABUS 488</td>
<td>Entrepreneurship and Enterprise Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 6 hours of AECN or ABUS electives (may also include EAEPE 201, EAEPE 300, EAEPE 301, EAEPE 302, EAEPE 388, EAEPE 392, EAEPE 496, or ENTR 322)

### Policy Analysis
Select two of the following:

- AECN 495C | Internship in Agricultural and Public Policy
- ECON 471  | Public Finance
- ECON 472  | Efficiency in Government
- NRES 323  | Natural Resources Policy
- POLS 235  | Public Policy: Concepts and Processes
- POLS 236  | Public Policy Analysis: Methods and Models

### Law & Administration
Select two of the following:

- AECN 256 | Legal Aspects in Agriculture
Agricultural Economics

AECN 276 / SOCI 241  Rural Sociology
AECN 357 / NREE 357  Natural Resource and Environmental Law
BLAW 300  Business, Government & Society
BLAW 371  Legal Environment
POLS 210  Bureaucracy and the American Political System
POLS 469  International Law

Resource Economics
Select two of the following: 6
AECN 265 / NREE 265  Resource and Environmental Economics I
AECN 357 / NREE 357  Natural Resource and Environmental Law
AECN 465 / NREE 465  Resource and Environmental Economics II

International Economics
Select two of the following: 6
AECN 420  International Food and Agricultural Trade
AECN 425  Agricultural Marketing in a Multinational Environment
AECN 467 / ECON 466 / HIST 479 / POLS 466  Pro-seminar in International Relations
ECON 321  Introduction to International Economics
ECON 421  International Trade
ECON 422  International Finance
POLS 459  International Political Economy

Developmental Economics
Select two of the following: 6
AECN 346  World Food Economics
AECN 367  Agricultural Development in Developing Countries
AECN 376  Rural Community Economics
ANTH 474 / GLST 474  Development in Theory and Practice
ECON 423  Economics of the Less Developed Countries

Credit Hours Subtotal: 47

Supporting Courses
ECON 311A  Intermediate Macroeconomics - Quantitative 3
or ECON 311B  Intermediate Macroeconomics - Descriptive 3
ECON 417  Introductory Econometrics 3
or AECN 401  Advanced Farm Management and Linear Programming 3
or AECN 436  Commodity Price Forecasting 3
or SCMA 331  Operations and Supply Chain Management 3
Select 6 hours of CASNR electives 1 6
Credit Hours Subtotal: 12

Free Electives
Select 21-26 hours 21-26

Credit Hours Subtotal: 21-26

Total Credit Hours 80-85

1 Select 200-level courses or above, including PLAS 153. Excluding AECN courses and INTF 320.

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

Agricultural Economics
AECN 20  Seminar in Agricultural and Applied Economics 0
AECN 100  New Student Career Orientation 1
AECN 175  Introduction to Excel 1
AECN 340  Quantitative Methods in Agribusiness 3
Select 24 hours of AECN or ABUS electives or from EAEP 201, EAEP 300, EAEP 301, EAEP 302, EAEP 388, EAEP 392, EAEP 496. Must include 12 hours at the 300 level or above and one of the following capstone (ACE 10) courses: 1
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
EAEP 488 / ABUS 488  Entrepreneurship and Enterprise Development
Credit Hours Subtotal: 29

Agricultural Sciences and Natural Resources
Select 6 hours of CASNR electives 2 6
Credit Hours Subtotal: 6

Supporting Courses
ACCT 200  Accounting for Business Decisions 3
or ACCT 201 & ACCT 202  Introductory Accounting I and Introductory Accounting II 3
ECON 311A  Intermediate Macroeconomics - Quantitative 3
or ECON 311B  Intermediate Macroeconomics - Descriptive 3
ECON 417  Introductory Econometrics 3
AECN 401  Advanced Farm Management and Linear Programming 3
MATH 107  Calculus II 4
MATH 208  Calculus III 4
STAT 380  Statistics and Applications 3
Select 3 hours of ABUS or AECN electives 3 3
Credit Hours Subtotal: 26

Free Electives
Select 16-21 hours 16-21
Credit Hours Subtotal: 16-21

Total Credit Hours 77-82

1 Excludes INTF 320.
Agricultural Economics

Select 200-level courses or above, including PLAS 153. Excluding AECN courses and INTF 320.

Select 200-level courses or above. Select 3 hours of ABUS or AECN electives or from EAEP 201, EAEP 300, EAEP 301, EAEP 302, EAEP 388, EAEP 392, EAEP 496.

Pre-Law Option
The 3-3 Law Program allows qualified undergraduate students to begin studies at the University of Nebraska College of Law after three years of undergraduate studies. Students admitted to the program will use the credit hours awarded in the first year at the College of Law to complete their undergraduate degree requirements. The 3-3 Law Program allows students to receive their Bachelor’s degree and their Juris Doctor degree in six years rather than the traditional seven years.

For additional information, go to https://law.unl.edu/3-3-program-information/.

AECN 20 Seminar in Agricultural and Applied Economics 0
AECN 100 New Student Career Orientation 1
AECN 175 Introduction to Excel 1
AECN 201 Farm and Ranch Management 4
AECN 340 Quantitative Methods in Agribusiness 3
Select 15 hours of AECN or ABUS electives or from EAEP 201, EAEP 300, EAEP 301, EAEP 302, EAEP 388, EAEP 392, EAEP 496, including 9 hours at the 300 level or above and one of the following capstone (ACE 10) courses: 1

Capstone (ACE 10)
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
EAEP 488 / ABUS 488 Entrepreneurship and Enterprise Development

Credit Hours Subtotal: 24

Agricultural Sciences and Natural Resources
Select 3 hours of CASNR electives 2
Credit Hours Subtotal: 3

Supporting Courses
ACCT 200 Accounting for Business Decisions 3
or ACCT 201 Introductory Accounting I
AECN 401 Advanced Farm Management and Linear Programming 3
ECON 311A Intermediate Macroeconomics - Quantitative
or ECON 311B Intermediate Macroeconomics - Descriptive

Credit Hours Subtotal: 9

Year 1 College of Law
Complete the First Year Curriculum in the College of Law. First Year curriculum can be found on the College of Law website - https://law.unl.edu/first-year-curriculum (https://law.unl.edu/first-year-curriculum/)

Credit Hours Subtotal: 30

Free Electives
Complete 14-16 hours
Credit Hours Subtotal: 14-16

Total Credit Hours 80-82

1 Excludes INTF 320.
2 Select 200-level courses or above, including PLAS 153. Excluding AECN courses and INTF 320.

Additional Major Requirements
Students completing an agricultural economics degree program may not receive a second major in agribusiness.

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).

International Requirements
Nine (9) hours of coursework with an international focus are required as part of the 120 hours required for a degree. Course options include the following list, those listed in the University’s Global Studies degree program, or any ACE 9 course.

AECN 220 International Agricultural Trade 3
AECN 346 World Food Economics 3
AECN 367 Agricultural Development in Developing Countries
AECN 420 International Food and Agricultural Trade 3
AECN 425 Agricultural Marketing in a Multinational Environment 3
AGRI 282 Introduction to Global Agricultural and Natural Resources Issues 3
AGRI 310 Study Tours in International Agriculture 1-5
NRES 492 International Study Tours in Natural Resource Management 1-3

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

Core Courses
AECN 201 Farm and Ranch Management 4
AECN 265 / NREE 265 Resource and Environmental Economics I 3

Select one of the following:
AECN 141 Introduction to the Economics of Agriculture 3
ECON 200 Economic Essentials and Issues
ECON 212 Principles of Microeconomics
Select one of the following:

<table>
<thead>
<tr>
<th>Course Combination</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 235 / MRKT 235</td>
<td>Introduction to Commodity Marketing</td>
</tr>
<tr>
<td>AECN 225 / EAEP 225 / MRKT 225</td>
<td>Agribusiness Entrepreneurship in Food Products Marketing</td>
</tr>
<tr>
<td>AECN 325 / MRKT 325</td>
<td>Marketing of Agricultural Commodities</td>
</tr>
</tbody>
</table>

Select 5 hours of additional agricultural economics courses.\(^1\) 5

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

**Core Courses**

<table>
<thead>
<tr>
<th>Course Combination</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AECN 276 / SOCI 241</td>
<td>Rural Sociology</td>
</tr>
<tr>
<td>AECN 376</td>
<td>Rural Community Economics</td>
</tr>
<tr>
<td>AECN 396</td>
<td>Independent Study in Agricultural Economics</td>
</tr>
<tr>
<td>PA 8436 / PA 4430</td>
<td>Municipal Administration (UNO)</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 12

**Additional Courses**

Select two of the following:

<table>
<thead>
<tr>
<th>Course Combination</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 212 / ETHN 212</td>
<td>Introduction to Cultural Anthropology</td>
</tr>
<tr>
<td>CRPL 300</td>
<td>The Community and the Future</td>
</tr>
<tr>
<td>CRPL 480</td>
<td>Economic Development Planning</td>
</tr>
<tr>
<td>PSYC 288</td>
<td>The Psychology of Social Behavior</td>
</tr>
<tr>
<td>SOCI 346</td>
<td>Environmental Sociology</td>
</tr>
</tbody>
</table>

Credit Hours Subtotal: 6

Total Credit Hours 18

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**AECN 100 New Student Career Orientation**

**Prerequisites:** First semester freshman; 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

**Grading Option:** Graded with Option

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**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

**Grading Option:** Graded with Option

**Offered:** FALL

**Prerequisite for:** SCIL 300

**ACE:** ACE 8 Civic/Ethics/Stewardship ACE 4 Science

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**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

**Grading Option:** Graded with Option

**Prerequisite for:** ABUS 341, MRKT 341; AECN 201; AECN 220; AECN 225, EAEP 225, MRKT 225; AECN 235, MRKT 235; AECN 265, NREE 265; AECN 301; AECN 316; AECN 340; AECN 345; AECN 346; AECN 367; AECN 376; AECN 420; AECN 436; AECN 453; AECN 474; BLAW 371; BLAW 371H; BLAW 372; ECON 303; ECON 311A; ECON 311B; ECON 312A; ECON 312B; ECON 321; ECON 389; ECON 417; FINA 300; FINA 361; MNGT 301; MNGT 301H; MNGT 475; MRKT 300; SCMA 331; SCMA 350; SCMA 350H

**ACE:** ACE 6 Social Science

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**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

**Grading Option:** Graded

**Prerequisite for:** AECN 340

**Groups:** Introductory

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**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

**Grading Option:** Graded with Option
AECN 220 International Agricultural Trade
Prerequisites: AECN 141 or ECON 212
Description: Introduction to the foundational concepts and applications of international trade with a strong focus on agriculture and food markets. Establish basic literacy in international trade with applications to agricultural commodity and affiliated markets and policy issues such as tariff-rate quotas and phytosanitary regulations unique to agriculture.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded
Offered: SPRING
ACE: ACE 9 Global/Diversity

AECN 225 Agribusiness Entrepreneurship in Food Products Marketing
Crosslisted with: EAEF 225, MRKT 225
Prerequisites: AECN 141 or ECON 212
Notes: Pass/No Pass option not allowed for College of Business 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, wholesale, 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
Grading Option: Graded with Option
Offered: SPRING
Prerequisite for: AECN 316

AECN 235 Introduction to Commodity Marketing
Crosslisted with: MRKT 235
Prerequisites: AECN 141 or ECON 212
Notes: Pass/No Pass option not allowed for College of Business majors.
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
Grading Option: Graded with Option
Offered: SPRING
Prerequisite for: AECN 316; 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
Grading Option: Graded with Option

AECN 265 Resource and Environmental Economics I
Crosslisted with: NREE 265
Prerequisites: ECON 212 or AECN 141.
Description: Introduction to environmental and natural resource economics and the role of such concepts in natural resource management. Application of economic principles to actual natural resource/environmental issues with focus on tradeoffs, cost and benefits, and decision making.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded with Option
Offered: SPRING

AECN 275 Agribusiness Entrepreneurial Finance
Crosslisted with: EAEF 275, ENTR 275, PLAS 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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

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
Grading Option: Graded with Option
Prerequisite for: AECN 416
AECN 320 International Trade Policy and Politics
Crosslisted with: INTF 320, ECON 320
Prerequisites: Minimum sophomore standing.
Description: Foundational elements necessary for understanding and analyzing modern-day trade policy-making, including the origins and evolution of the modern international trading system, U.S. domestic trade policy processes, the interaction between business goals and government policy, and the interplay between trade policy and overall U.S. foreign policy objectives. Analytical frameworks and the opportunity to develop practical skills applicable to any future professional or policy-making setting.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded
Offered: FALL

AECN 325 Marketing of Agricultural Commodities
Crosslisted with: MRKT 325
Prerequisites: AECN 235
Notes: Pass/No Pass option not allowed for College of Business majors.
Description: Operation and use of agricultural commodity markets and institutions as applied to enterprise and firm 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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

AECN 340 Quantitative Methods in Agribusiness
Prerequisites: AECN 141, AECN 175, STAT 218 or equivalent, and MATH 104
Description: Builds upon basic agricultural and applied economic knowledge to advance understanding of economic theory and learn how to apply knowledge to address current issues within agricultural markets. Develop critical thinking and analytical skills around applied economic issues and managerial decisions within the agricultural and natural resource industries. Organize, analyze and present quantitative data to support economic decision making in agribusinesses and the food and fiber industry.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded with Option
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
Grading Option: Graded with Option

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
Grading Option: Graded with Option
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
Grading Option: Graded with Option

AECN 365 Policy Issues in Agriculture and Natural Resources
Prerequisite for: AECN 457, AECN 857, NREE 457
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
Grading Option: Graded with Option

AECN 367 Agricultural Development in Developing Countries
Prerequisites: AECN 141 or ECON 212 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
Grading Option: Graded with Option
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
Grading Option: Graded with Option
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
Grading Option: Graded with Option
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
Grading Option: Graded with Option

AECN 396 Independent Study in Agricultural Economics
Prerequisites: Permission and advance approval of independent study contract at the start of each semester.
Notes: P/N only.
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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

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
Grading Option: Graded with Option

AECN 420 International Food and Agricultural Trade
Prerequisites: AECN 141 or ECON 212, and ECON 211
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
Grading Option: Graded with Option
ACE: ACE 10 Integrated Product ACE 9 Global/Diversity

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
Grading Option: Graded with Option
ACE: ACE 10 Integrated Product ACE 9 Global/Diversity

AECN 435 Advanced Agricultural Marketing Management
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded with Option
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
Grading Option: Graded with Option
Course and Laboratory Fee: $40

AECN 438 Integrated Product
Description: Integrated Product
ACE 10 Integrated Product
ACE 9 Global/Diversity

AECN 491 Special Topics in Agricultural Economics
Prerequisites: Permission
Description: AECN 391
Notes: P/N only.

AECN 495 Capstone course.

ACE 8 Civic/Ethics/Stewardship
ACE 10 Integrated Product
ACE 9 Global/Diversity
AECN 445 Agricultural and Natural Resource Policy Analysis
Crosslisted with: NREE 445
Prerequisites: ECON 311B and ECON 312B
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
Grading Option: Graded with Option
ACE: AECN 10 Integrated Product

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
Grading Option: Graded with Option
Prerequisite for: AECN 416

AECN 453 Agricultural and Rural Property Appraisal
Prerequisites: AECN 141, or ECON 210 or 212. AECN 201 and PLAS 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
Grading Option: Graded with Option
Prerequisite for: AECN 416

AECN 456 Environmental Law
Crosslisted with: AECN 856, NREE 456
Prerequisites: Senior standing.
Notes: Available through Online and Distance Education.
Description: Principles of law involved in environmental issues, externalities and market failures, public health, environmental litigation, and legislation. Environmental issues are related to statutory, administrative, and regulatory authorities.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded with Option

AECN 457 Water Law
Crosslisted with: AECN 857, NREE 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
Grading Option: Graded with Option

AECN 465 Resource and Environmental Economics II
Crosslisted with: AECN 865, NREE 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
Grading Option: Graded with Option
Prerequisite for: AECN 868

AECN 467 Pro-seminar in International Relations
Crosslisted with: ECON 466, POLS 466, POLS 866, ECON 866, HIST 479, HIST 879
Prerequisites: Senior standing and permission.
Notes: Open to students with an interest in international relations.
Description: Topic varies.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Grading Option: Graded with Option

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
Grading Option: Graded with Option
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
Grading Option: Graded
AECN 474 Cooperatives  
**Prerequisites:** ECON 212 or AECN 141  
**Description:** Role of cooperatives in market-oriented economies. 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  
Grading Option: Graded with Option  
**Offered:** FALL

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  
Grading Option: Graded  
**Offered:** SPRING  
**Experiential Learning:** Fieldwork

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  
Grading Option: Graded with Option  
**Experiential Learning:** Internship/Co-op

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  
Grading Option: Graded with Option  
**Experiential Learning:** Internship/Co-op

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  
Grading Option: Graded with Option  
**Prerequisite for:** ASCI 482, AECN 482  
**Experiential Learning:** Internship/Co-op

AECN 495D Internship in Commodity Marketing  
**Prerequisites:** Departmental permission  
**Notes:** AECN 235 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  
Grading Option: Graded with Option  
**Experiential Learning:** Internship/Co-op

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  
Grading Option: Graded with Option  
**Groups:** Ind Study, Special Top, Intern  
**Experiential Learning:** Internship/Co-op

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  
Grading Option: Graded

**Career Information**

*The following represents a sample of the internships, jobs and graduate school programs that current students and recent graduates have reported.*

**Jobs of Recent Graduates**

- Grain Merchandiser, Scoular - Omaha NE
- Chemical Representative, Dow AgroSciences - Sioux Falls SD
- Grain Merchandiser, Bartlett Grain Company - Kansas City MO
- Ag Real Estate, Mid-Continental Properties - Omaha NE
• Owner/Operator, Family Farm - Central NE
• Production Supervisor, Cargill - Holdrege NE
• Sales Representative, Helena Chemical Company - Petersburg NE
• Cattle Analyst, JBF - Omaha NE
• Marketing Rep, John Deere - Des Moines IA
• District Sales Manager, Rob See Co - Elkhorn NE

Internships
• Global Programs Intern, U.S. Grains Council - Washington, DC
• Seed Production Intern, Syngenta - Phillips, NE
• Agronomy Intern, Ag Valley Coop - Indianola, NE
• Intern - Office of Atty General, Nebraska Dept of Justice - Lincoln, NE
• International Trade Intern, Nebraska Dept of Agriculture - Lincoln, NE
• Public Policy Intern, American Farm Bureau Federation - Washington, DC
• Grain Processing Intern, Ag Processing Inc - Eagle Grove, IA
• Sales, Dow Agroscience/Mycogen Seed - Aurora, NE
• Asst. Field Supervisor, Pioneer - York, NE
• Intern, Sandhills Publishing - Lincoln, NE

Graduate & Professional Schools
• Master's of Agricultural Economics, University of Connecticut - Storrs, CT
• Master's of Agricultural Economics, University of Nebraska-Lincoln - Lincoln, NE
• Ph.D, Food and Resources Economics, University of Florida - Gainesville, FL
• Juris Doctorate, University of Nebraska College of Law - Lincoln, NE
• Ph.D., Agricultural Economics, University of Nebraska-Lincoln - Lincoln, NE