

AGRICULTURAL ECONOMICS- Farm and Ranch Management Option

UNL College of Agricultural Sciences and Natural Resources

2016-2017 UNL Undergraduate Bulletin (120 hours)

College Integrative Courses 3 Hours

REQUIREMENT	Hrs
<i>SCIL 101</i> Science and Decision-Making for a Complex World	3

Communication – ACE 1 and 2 6 Hours

ACE 1: <i>JGEN 120</i> Basic Business Communication, <i>JGEN 200</i> Technical Communication I; <i>JGEN 300</i> Technical Comm. II; <i>ENGL 150</i> Writing: Rhetoric as Inquiry, <i>ENGL 151</i> Writing: Rhetoric as Argument, or <i>ENGL 254</i> Writing and Communities	3
ACE 2: <i>ALEC 102</i> Interpersonal Skills for Leadership, <i>COMM 101</i> Communication in the 21 st Century, <i>COMM 109</i> Fundamentals of Human Communication, <i>COMM 209</i> Public Speaking, <i>COMM 210</i> Communicating in Small Groups, <i>COMM 215</i> Visual Communication, <i>COMM 283</i> Interpersonal Communications, <i>COMM 286</i> Business & Professional Communication, <i>JGEN 300</i> Technical Comm. II, <i>MRKT 257</i> Sales Communication, <i>NRES 260</i> Environmental Communication Skills, or <i>TMFD 121</i> Visual Communication and Presentation	3

Mathematics and Analytical Skills - ACE 3 6-8 Hours

<i>MATH 104</i> Calculus for Managerial & Social Sciences (3cr) or <i>MATH 106</i> or <i>106B</i> Analytical Geometry & Calculus I (5cr)	3-5
<i>STAT 218</i> Intro to Statistics or <i>ECON 215</i> Statistics	3

Natural Sciences – ACE 4 8 Hours

<p>Select one each from two of the following three areas:</p> <p>1. CASNR Approved Life Sciences –</p> <ul style="list-style-type: none"> <i>AGRO 131</i> & <i>AGRO 132</i> Plant Science & Lab (4cr) <i>BIOS 101</i> & <i>BIOS 101L</i> General Biology & Lab (4cr) <i>BIOS 109</i> General Botany (4cr) <i>BIOS 112</i> & <i>BIOS 112L</i> Intro to Zoology & Lab (4cr) <i>ENTO 115</i> Insect Biology & <i>ENTO 116</i> Insect Id (4cr) <i>HORT 131</i> & <i>HORT 133</i> Plant Science & Lab (4cr) <i>LIFE 120</i> & <i>LIFE 120L</i> Fundamentals of Biology I & Lab (4cr) <p>2. <i>CHEM 105</i> Chemistry in Context I or <i>CHEM 109</i> General Chemistry</p> <p>3. <i>MSYM 109</i> Physical Principles in Agriculture & Life Sciences (4cr)</p> <ul style="list-style-type: none"> <i>PHYS 141</i> Elementary General Physics I (5cr) <i>PHYS 151</i> Elements of Physics (4cr) <i>PHYS 211</i> General Physics I (4cr) 	4
	4

Arts, Humanities and Social Sciences 18 Hours

<i>ECON 211</i> Principles of Macroeconomics	3
ACE 6: <i>AECN 141</i> Intro to Economics of Agriculture or <i>ECON 212</i> Principles of Microeconomics	3
Select one course each from ACE outcomes 5, 7, 8 and 9	
ACE 5 –Study of Humanities	3
ACE 7 –Study of Arts	3
ACE 8 -Ethical Principles, Civics, Stewardship <i>AECN</i>	3
ACE 9 - Global Awareness/Human Diversity	3

Agricultural Sciences 12 Hours

<i>ASCI 100</i> Fundamentals of Animal Biology and Industry	4
<i>AGRO 153</i> Soil Resources	4
<i>AGRO 315</i> Genetics	4

Agricultural Economics 29 Hours

<i>AECN 100</i> New Student Career Orientation	1
<i>AECN 201</i> Farm & Ranch Management	4
<i>AECN 256</i> Legal Aspects in Agriculture or <i>BLAW 300</i> Business, Government & Society, or <i>BLAW 372</i> Business Law	3
<i>AECN 301</i> Farm Accounting, Analysis and Tax Management	3
<i>AECN 235</i> Introduction to Commodity Marketing	3
<i>AECN 325</i> Marketing of Agricultural Commodities	3
<i>AECN 401</i> Advanced Farm Management and Linear Programming	3
ACE 10 Capstone: <i>AECN 435</i> Advanced Agricultural Marketing Management	3
<i>AECN 452</i> Agricultural Finance	3
<i>AECN 453</i> Agricultural and Rural Property Appraisal	3

Supporting Courses 18 Hours

<i>ACCT 201</i> Intro to Accounting I	3
<i>ACCT 202</i> Intro to Accounting II	3
<i>ECON 311</i> Intermediate Macroeconomics	3
<i>ECON 312</i> Intermediate Microeconomics	3
<i>FINA 382</i> Principles of Real Estate	3
<i>MNGT 300</i> Management Essentials for Contemporary Organizations, <i>MNGT 301</i> Introduction to Management, <i>MNGT 322</i> Family Business, <i>MNGT 360</i> Managing Behavior in Organizations or <i>MNGT 361</i> Human Resource Management	3

CASNR Electives 9 Hours

Select **either** Agronomy or Animal Science Specialization

Agronomy (AGRO) Specialization. 200 level or above (min of 6 cr at 300-400 level)	9
Animal Science (ASCI) Specialization. 200 level or above (min of 6 cr at 300-400 level)	9

Free Electives 12-14 Hours

International Block Nine hours of coursework with an international focus are required as part of the 120 hours required for a degree. Course options include AGRI 282, 310; NRES 492; AECN 346, 367, 420, 425; or those listed in the UNL Global Studies degree program in the 2016-2017 UNL Undergraduate Bulletin.

ACADEMIC PROGRAM:
Agricultural Economics

OPTION:
Farm and Ranch Management

First Year – Fall Semester (13 hours)

AECN 100-New Student Career Orientation	1
ACE 6 -AECN 141-Intro to Economics of Agric	3
ACE 1 -Written Communications	3
ACE 5 -Humanities	3
ACE 3 -Math*	3

Second Year - Fall Semester (17 hours)

AECN 201- Farm & Ranch Management	4
ACCT 201-Intro to Accounting I	3
ACE 2 -Oral Communications	3
AGRO 153- Soil Resources	4
ECON 211-Principles of Macroeconomics	3

Third Year - Fall Semester (15 hours)

AECN 301- Farm Accounting	3
AECN 325- Commodities Marketing	3
ACE 8 -Ethics/Civics/Stewardship	3
ECON 312-Intermediate Microeconomics	3
Specialization Elective (300 level)	3

Fourth Year – Fall Semester (15 hours)

AECN 452 Ag Finance	3
FINA 382- Principles of Real Estate	3
AECN 453- Agricultural Property Appraisal	3
ACE 7 -Arts	3
Free Elective	3

First Year – Spring Semester (14 hours)

ASCI 100- Fundamentals Animal Biology	4
SCIL 101 Science & Decision-Making/Complex World	3
STAT 218-Intro to Statistics	3
AGRO 131/132 Plant Science or BIOS 101/101L General Biology	4

Second Year - Spring Semester (15 hours)

AECN 256- Legal Aspects of Agriculture	3
ACCT 202-Intro to Accounting II	3
ACE 4 -Chemistry or Physics	4
Specialization Elective (200-level or above)	3
Free Elective	2

Third Year - Spring Semester (16 hours)

MNGT 322-Family Business	3
AGRO 315- Genetics	4
ECON 311-Intermediate Macroeconomics	3
ACE 9 -Global Awareness/Human Diversity	3
Free Elective	3

Fourth Year – Spring Semester (15 hours)

ACE 10 -AECN 435 Advanced Ag Marketing	3
AECN 401-Advanced Farm Management and Linear Programming	3
Specialization Elective (300-level or above)	3
Free Elective	6

Elective hours are required in four areas:

- CASNR-Specialization (12 hours, minimum 6 credits at 300 level, can be grouped into specialization in either plant or animal sciences)
- Free Electives (12-14 hours; no level restrictions)

Electives can be used to explore interests in the first couple of years, complete a minor or two, complete a dual major, or take fun/interesting classes. Academic advisors help to determine how to best use elective hours.

*MATH 104, Applied Calculus (3 hr) or MATH 106 Analytic Geometry and Calculus (5 hr) is required. Depending on UNL Math Placement Exam results (required prior to enrollment in the first math course at UNL), students may need to take additional courses to prepare for calculus. For instance, MATH 101, College Algebra, is commonly taken before MATH 104 or 106 and counts as 3 credit hours of free electives.