



## Farm & Ranch Management (Agribusiness Management)

Associate in Applied Science  
Degree Plan 2015-2016

Prescribed Technical Program Total	35-39
General Education Total	15
Farm & Ranch Management Electives	11
<b>Total Degree Credits</b>	<b>61-65</b>

### FRESHMAN YEAR

#### Fall Semester

##### Prescribed Technical Program Requirements

AGRI	115	Agriculture Math	3
AGRI	191	First Year Seminar	1-2
AGRI	275	Introduction to Precision Farming	3
AGRI	299	Special Topics	1
ANSC	114/114L	Introduction to Animal Science/Lab	3
H&CE	241	Leadership & Presentation Techniques	2

##### General Education Courses

##### *Business, Math, Science & Technology*

PLSC	110/110L	World Food Crops/Lab (Required)	3
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##### *Communications I*

ENGL	110	College Composition I (Required)	3
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**Total Credits** 19-20

#### Spring Semester

##### Prescribed Technical Program Requirements

AGEC	141	Introduction to Agribusiness Management	1-2
AGEC	246	Introduction to Agricultural Finance	3

##### Farm & Ranch Management Required Program Electives (Select 4-6 credits) \*

1.			4-6
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##### General Education Course

##### *Arts & Humanities/Social & Behavioral Science*

ECON	201	Principles of Microeconomics (Required)	3
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**Total Credits** 11-14

#### Summer Semester

##### Prescribed Technical Program Requirements

AGRI	297	Cooperative Education/Internship	2
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**Total Credits** 2

\* A total of 11 Farm & Ranch Management Program Electives are required for degree.

## SOPHOMORE YEAR

Fall Semester			
Prescribed Technical Program Requirements			
AGEC	242	Introduction to Agriculture Management	3-4
AGRI	291	Second Year Seminar	1-2
SOIL	210/210L	Introduction to Soil Science/Lab	3
Farm & Ranch Management Required Program Electives (Select 5-6 credits) *			
1.			5-6
General Education Course			
<i>Communications II</i> (Select one course.)			
ENGL	120	College Composition II	
ENGL	125	Introduction to Professional Writing	3
COMM	110	Fundamentals of Public Speaking	
<b>Total Credits</b>			<b>15-18</b>

Spring Semester			
Prescribed Technical Program Requirements			
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	250	AgriSales	3
ANSC	123/123L	Feeds & Feeding/Lab	3
Agriculture Required Program Electives (Select 2-6 credits) *			
1.			2-6
General Education Course			
<i>Business, Math, Science &amp; Technology</i>			
ACCT	200	Elements of Accounting I (Required)	3
<b>Total Credits</b>			<b>14-18</b>

Farm & Ranch Management Required Program Electives (Select 11 credits.)			
AGEC	274	Cooperative Business Model (Spring only)	3
AGRI	276	Data Collection & Management (Fall only)	2
AGRI	285	Precision Ag Systems - Software (Spring only)	2
AGRI	286	Advanced Mapping (Spring only)	2
ANSC	220/220L	Livestock Production/Lab (Spring only)	3
ANSC	252	Large Ruminant Production (Spring only)	2
ASM	130	Agriculture Industry Machinery Operation (Spring only)	2
ASM	175	Agriculture Industry Skills (Fall only)	3
PLSC	223/223L	Introduction to Weed Science/Lab (Spring only)	3
PLSC	225	Principles of Crop Production (Fall only)	3
PLSC	235	Field Scouting Techniques (Spring only)	2
PLSC	243	Advanced Weed Science (Spring only)	2
PLSC	245	Advanced Crop Production (Fall only)	2
RNG	236	Introduction to Range Management (Fall only)	3
SOIL	222/222L	Soil Fertility & Fertilizers/Lab (Spring only)	3
VETS	101	Introduction to Veterinary Science (Spring only)	2
VETS	239	Animal Health (Fall only)	3

# Associate in Applied Science (AAS)

Advisor: \_\_\_\_\_

Office: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

## Degree Checklist

Credits

\_\_\_\_\_

 Earned a minimum of 3 credits in ENGL 110

\_\_\_\_\_

 Earned a minimum of 3 credits in ENGL 120, 125 or COMM 110

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 Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Science

\_\_\_\_\_

 Earned a minimum of 6 credits in Business, Math, Science & Technology

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 Earned prescribed technical program requirements

\_\_\_\_\_

 Earned a minimum of 60 total credits

\_\_\_\_\_

 Earned a minimum of 15 institutional credit (BSC only)

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 Earned a minimum 2.00 institutional GPA (BSC only)

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 Earned a minimum 2.00 cumulative GPA (BSC + Transfer)

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 Earned a minimum 2.00 GPA in a prescribed technical program

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 Cleared all college obligations

\_\_\_\_\_

 Declared program of study is Degree-seeking

\_\_\_\_\_

 Filed an Application for Degree

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 -Academic Skills Courses (ASC) do not apply toward graduation.

Legend

(\*) Course not approved as GERTA

## General Education Requirements

Category I: COMMUNICATIONS

Completed\_\_\_\_\_ Needed\_\_\_\_\_

Communications I

(3 Credits) - ENGL 110

Gr. Cr.

\_\_\_\_\_ 3 ENGL 110 College Composition I

Transfer Course

\_\_\_\_\_

Communications II

(3 Credits) -ENGL 120, 125, COMM 110 (Select one)

Gr. Cr.

\_\_\_\_\_ 3 ENGL 120 College Composition II

\_\_\_\_\_ 3 ENGL 125 Introduction to Professional Writing

\_\_\_\_\_ 3 COMM 110 Fundamentals of Public Speaking

Transfer Course

\_\_\_\_\_

## General Education Requirements Continued

### Category II: ARTS & HUMANITIES/SOCIAL & BEHAVIORAL SCIENCES

Completed

Needed

(3 Credits)

Gr.	Cr.			Gr.	Cr.			Gr.	Cr.		
_____	3	ART 110	Introduction to the Visual Art	_____	3	HIST 101	Western Civilization I	_____	3	POLS 115	American Government
_____	3	ART 122	Two Dimensional Design	_____	3	HIST 102	Western Civilization II	_____	3	POLS 116	State & Local Government
_____	3	ART 124	Three Dimensional Design	_____	3	HIST 103	United States to 1877	_____	3	POLS 220	International Politics
_____	3	ART 130	Drawing I	_____	3	HIST 104	United States since 1877	_____	3	PSYC 111	Introduction to Psychology
_____	3	ART 210	Art History I	_____	3	HIST 220	North Dakota History	_____	3	* PSYC 211	Introduction to Behavior Modification
_____	3	ART 211	Art History II	_____	3	HIST 222	History of the Western Frontier	_____	3	PSYC 250	Developmental Psychology
_____	3	ART 220	Painting I	_____	3	HIST 224	American Studies I	_____	3	* PSYC 261	Psychology of Adjustment
_____	3	ART 221	Painting II	_____	3	HIST 225	American Studies II	_____	3	PSYC 270	Abnormal Psychology
_____	3	ART 230	Drawing II	_____	1-3	* HIST 243	Historical Investigations	_____	3	RELS 120	Religion in America
_____	3	ART 250	Ceramics I	_____	3	HUMS 210	Integrated Cultural Studies	_____	3	RELS 201	Life & Letters of Paul
_____	3	ART 251	Ceramics II	_____	1-4	HUMS 211	Integrated Cultural Excursion	_____	3	RELS 203	World Religions
_____	2	ART 265	Sculpture I	_____	2	HUMS 212	Integrated Cultural Enrichment	_____	3	RELS 220	Old Testament
_____	2	ART 266	Sculpture II	_____	3	MUSC 100	Music Appreciation	_____	3	RELS 230	New Testament
_____	3	CJ 201	Introduction to Criminal Justice	_____	1	MUSC 117	Concert Choir	_____	3	SOC 110	Introduction to Sociology
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 115	Social Problems
_____	3	* COMM 212	Interpersonal Communications	_____	1	MUSC 121	String Ensemble	_____	3	SOC 220	Family
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 221	Minority Relations
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 133	Woodwind Ensemble I	_____	3	SOC 235	Cultural Diversity
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 134	Woodwind Ensemble II	_____	3	SOC 251	Gerontology
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 135	Brass Ensemble I	_____	3	SOC 252	Criminology
_____	3	ENGL 221	Introduction to Drama	_____	1	MUSC 136	Brass Ensemble II	_____	3	SOC 275	American Indian Studies
_____	3	ENGL 222	Introduction to Poetry	_____	1	MUSC 137	Jazz Ensemble	_____	4	SPAN 101	First Year Spanish I
_____	3	ENGL 233	Fantasy & Science Fiction	_____	1	* MUSC 138	Percussion Ensemble	_____	4	SPAN 102	First Year Spanish II
_____	3	ENGL 236	Women & Literature	_____	1	MUSC 145	Applied Music	_____	4	SPAN 201	Second Year Spanish I
_____	3	ENGL 238	Children's Literature	_____	1	MUSC 146	Applied Music - Major	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 251	British Literature I	_____	3	PHIL 101	Introduction to Philosophy	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 252	British Literature II	_____	3	PHIL 210	Ethics	_____	3	THEA 110	Introduction to Theatre Arts
_____	3	ENGL 261	American Literature I	_____	3	PHIL 220	Introduction to Logic	_____	3	THEA 161	Acting I
_____	3	ENGL 262	American Literature II	_____	3	PHIL 250	Philosophy in Cinema	_____	3	THEA 261	Acting II
_____	3	ENGL 278	Alternative Literature	_____	3	* PHIL 253	Environmental Ethics				

Transfer Courses

Transfer Courses

Transfer Courses

_____	_____	_____
_____	_____	_____
_____	_____	_____

## General Education Requirements Continued

### Category III: BUSINESS, MATH, SCIENCE & TECHNOLOGY

Completed \_\_\_\_\_ Needed \_\_\_\_\_

(6 Credits) Must be satisfied with courses from two areas of study. Area of study is based on course prefix.

Gr.	Cr.			Gr.	Cr.			Gr.	Cr.					
	3	*	ACCT 200	Elements of Accounting I		3/1	CHEM 110	Survey of Chemistry/Lab		3	MATH 146	Applied Calculus I		
	3	*	ACCT 201	Elements of Accounting II		3/1	CHEM 112	Introduction to Forensic Science/Lab		4	MATH 165	Calculus I		
	3/1		ASTR 150	Meteorology/Lab		3/1	CHEM 114	Chemistry in Art/Lab		4	MATH 166	Calculus II		
	3	*	BADM 202	Principles of Management		4/1	CHEM 115	Introductory Chemistry/Lab		3	*	MATH 208	Discrete Mathematics	
	3	*	BADM 210	Advertising I		4/1	CHEM 116	Intro to Organic & Biochemistry/Lab		3	MATH 210	Elementary Statistics		
	3	*	BADM 240	Sales		4/1	CHEM 121	General Chemistry I/Lab		4	*	MATH 277	Math for Elementary Teachers I	
	3	*	BADM 281	Organizational Behavior		4/1	CHEM 122	General Chemistry II/Lab		3/1	MICR 202	Introductory Microbiology/Lab		
	3	*	BADM 282	Human Resource Management		4	*	CIS 164	Networking Fundamentals		3	*	NUTR 240	Principles of Nutrition
	1	*	BIOL 102	Introduction to Aquarium Keeping		3	CSCI 101	Introduction to Computers		3/1	PHYS 100	Concepts of Physics/Lab		
	3		BIOL 109	Living World		3	CSCI 122	Beginning Visual Basic		3/1	PHYS 110	Introduction to Astronomy/Lab		
	3/1		BIOL 111	Concepts of Biology/Lab		4	CSCI 160	Computer Science I		3/1	PHYS 211	College Physics I/Lab		
	3/1		BIOL 115	Human Structure & Function/Lab		4	CSCI 161	Computer Science II		3/1	PHYS 212	College Physics II/Lab		
	3		BIOL 124	Environmental Science		3/1	GEOG 121	Physical Geography/Lab		4/1	PHYS 251	University Physics I/Lab		
	3/1		BIOL 126	Human Biology/Lab		3/1	GEOL 102	Historical Geology/Lab		4/1	PHYS 252	University Physics II/Lab		
	3/1		BIOL 150	General Biology I/Lab		3/1	GEOL 105	Physical Geology/Lab		2/1	PLSC 110	World Food Crops/Lab		
	3/1		BIOL 151	General Biology II/Lab		3	GIS 105	Fundamentals of GIS		3/1	SCNC 101	Physical Science I/Lab		
	3/1		BIOL 220	Anatomy & Physiology I/Lab		3	*	GIS 107	GIS Applications				Biology & Chemistry	
	3/1		BIOL 221	Anatomy & Physiology II/Lab		4	MATH 103	College Algebra		3/1	SCNC 102	Physical Science II/Lab		
	3/1		BIOL 250	Survey-Tropical Biology/Lab		3	MATH 104	Finite Math					Physics & Geology	
	3/1		BIOL 251	Community Ecology/Lab		2	MATH 105	Trigonometry		3/1	SCNC 103	Physical Science III/Lab		
	3/1		BOT 170	Plant Form & Diversity/Lab		4	MATH 107	Pre-Calculus					Astronomy & Meteorology	
	3	*	BUSN 120	Fundamentals of Business		3	*	MATH 137	Applied Algebra		2/1	*	SOIL 210	Introduction to Soil Science/Lab
Transfer Courses					Transfer Courses					Transfer Courses				

## Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC), as well as Math 102, are pre-college courses indicate the need for college preparation work before enrollment in college level courses. These courses will not carry honor points or earned credit and will not count toward the student's degree program.

Gr.	Cr.			Gr.	Cr.		
_____	2	ASC 082	Effective Reading	_____	2	ASC 92	Algebra Prep II
_____	3	ASC 087	College Writing Prep	_____	2	ASC 93	Algebra Prep III
_____	1	ASC 088	Composition Lab	_____	3/1	ASC 098	Basic Biology/Lab
_____	2	ASC 91	Algebra Prep I				