



Farm and Ranch Management (Agribusiness Management) 2 Year Plan

Associate in Applied Science

Advising Worksheet* 2018-2019

Prescribed Technical Program	34-38
General Education	15
Farm and Ranch Management	
Required Program Electives	11-21
Total Degree Credits	60-74

1st 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
ANSC	114/114L	Introduction to Animal Sciences/Lab	3
H&CE	241	Leadership and 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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Farm and Ranch Management Required Program Electives

Select 0-3 credits from the list below ¹

1.			0-3
Total Credits			18-22

1st Year Spring Semester

Prescribed Technical Program Requirements

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

General Education Course

Arts & Humanities/Social & Behavioral Sciences

ECON	201	Principles of Microeconomics (Required)	3
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Farm and Ranch Management Required Program Electives

Select 4-6 credits from the list below ¹

1.			4-6
2.			
Total Credits			11-14

1st Year Summer Semester

Prescribed Technical Program Requirements

AGRI	297	Cooperative Education/Internship	2
Total Credits			2

¹ A total of 11 Farm & Ranch Management Program Electives are required for degree.

2nd Year Fall Semester

Prescribed Technical Program Requirements			
AGEC	242	Introduction to Agricultural Management	3-4
AGRI	291	Second Year Seminar	1-2
SOIL	210/210L	Introduction to Soil Science/Lab	3
General Education Course			
Communications II (Select one of the following:)			
ENGL	120	College Composition II	
ENGL	125	Introduction to Professional Writing	3
COMM	110	Fundamentals of Public Speaking	
Farm and Ranch Management Required Program Electives			
Select 5-6 credits from the list below ¹			
1.			
2.			5-6
Total Credits			15-18

2nd Year Spring Semester

Prescribed Technical Program Requirements			
AGEC	244	Introduction to Agricultural Marketing	3
AGEC	250	AgriSales	3
ANSC	123/123L	Feeds and Feeding/Lab	3
General Education Course			
Business, Math, Science & Technology			
ACCT	200	Elements of Accounting I (Required)	3
Farm and Ranch Management Required Program Electives			
Select 2-6 credits from the list below ¹			
1.			
2.			2-6
Total Credits			14-18

Farm and Ranch Management Required Program Electives (Select 11 credits from the following:)

AGEC	252	Farm Management Seminar (Fall only)	3	PLSC	225	Principles of Crop Production (Fall only)	3
AGRI	276	Data Collection and Management (Fall only)	2	PLSC	235	Field Scouting Techniques (Spring only)	2
AGRI	285	Precision Agriculture - Systems Software (Spring only)	2	PLSC	243	Advanced Weed Science (Spring only)	2
AGRI	286	Advanced Mapping (Spring only)	2	PLSC	245	Advanced Crop Production (Fall only)	2
AGRI	289	Agriculture Industry Training (Fall only)	1-3	RNG	236	Introduction to Range Management (Fall only)	3
ANSC	220/220L	Livestock Production/Lab (Spring only)	3	SOIL	222/222L	Soil Fertility and Fertilizers/Lab (Spring only)	3
ANSC	252	Large Ruminant Production (Spring only)	2	VETS	101	Introduction to Veterinary Science (Spring only)	2
ASM	130	Agriculture Industry Machinery Operation (Spring only)	2	VETS	239	Animal Health (Fall only)	3
ASM	175	Agriculture Industry Skills (Fall only)	3				
PLSC	223/223L	Introduction to Weed Science/Lab (Spring only)	3				

¹ A total of 11 Farm & Ranch Management Program Electives are required for degree.

Associate in Applied Science (AAS) 2018-2019 Catalog

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, ENGL 125 or COMM 110 ¹
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences
- _____ Earned a minimum of 6 credits in Business, Math, Science & Technology ²
- _____ Completed prescribed technical program requirements

☐ Earned a minimum of 60 credits

-Academic Skills Courses (ASC) do not count toward graduation

- ☐ Earned at least 15 semester hours of institutional credit from BSC
- ☐ Minimum of 2.00 institutional GPA (BSC only)
- ☐ Minimum of 2.00 cumulative GPA (BSC + Transfer)
- ☐ Minimum of 2.00 GPA in a prescribed technical program
- ☐ Cleared all college obligations
- ☐ Declared program of study is degree seeking
- ☐ Filed an Application for Degree in the Academic Records Office

Specific programs may require additional degree/program requirements; refer to your program.

¹ Programs may have a specific Communications II requirement; refer to your program degree plan.

² Must be from any two areas of study. For example, a Biology course and a Math course, but not two Biology courses or two Math courses.

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	ANTH 170	Physical Anthropology and Archeology	_____	3	HIST 101	Western Civilization I	_____	3	POLS 115	American Government
_____	3	ART 110	Introduction to the Visual Arts	_____	3	HIST 102	Western Civilization II	_____	3	POLS 116	State and Local Government
_____	3	ART 122	Two-Dimensional Design	_____	3	HIST 103	United States to 1877	_____	3	POLS 220	International Politics
_____	3	ART 124	Three-Dimensional Design	_____	3	HIST 104	United States Since 1877	_____	3	PSYC 111	Introduction to Psychology
_____	3	ART 130	Drawing I	_____	3	HIST 211	World Civilizations to 1500	_____	3	* PSYC 211	Introduction to Behavior Modification
_____	3	ART 210	Art History I	_____	3	HIST 212	World Civilizations since 1500	_____	3	PSYC 250	Developmental Psychology
_____	3	ART 211	Art History II	_____	3	HIST 220	North Dakota History	_____	3	* PSYC 261	Psychology of Adjustment
_____	3	ART 220	Painting I	_____	3	HIST 222	History of the Western Frontier	_____	3	PSYC 270	Abnormal Psychology
_____	3	ART 221	Painting II	_____	3	HIST 224	American Studies I	_____	3	RELS 120	Religion in America
_____	3	ART 230	Drawing II	_____	3	HIST 225	American Studies II	_____	3	RELS 201	Life and Letters of Paul
_____	3	ART 250	Ceramics I	_____	1-3	* HIST 243	Historical Investigations	_____	3	RELS 203	World Religions
_____	3	ART 251	Ceramics II	_____	3	HUMS 210	Integrated Cultural Studies	_____	3	RELS 220	Old Testament
_____	2	ART 265	Sculpture I	_____	1-4	HUMS 211	Integrated Cultural Excursion	_____	3	RELS 230	New Testament
_____	2	ART 266	Sculpture II	_____	2	HUMS 212	Integrated Cultural Enrichment	_____	3	SOC 110	Introduction to Sociology
_____	3	* CIS 280	Cyber Ethics	_____	3	MUSC 100	Music Appreciation	_____	3	SOC 115	Social Problems
_____	3	CJ 201	Introduction to Criminal Justice	_____	1	MUSC 117	Concert Choir	_____	3	SOC 220	Family
_____	3	COMM 112	Understanding Media and Social Change	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 221	Minority Relations
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 121	String Ensemble	_____	3	SOC 235	Cultural Diversity
_____	3	COMM 212	Interpersonal Communications	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 251	Gerontology
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 133	Woodwind Ensemble I	_____	3	SOC 252	Criminology
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 134	Woodwind Ensemble II	_____	3	SOC 275	American Indian Studies
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 135	Brass Ensemble I	_____	4	SPAN 101	First Year Spanish I
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 136	Brass Ensemble II	_____	4	SPAN 102	First Year Spanish II
_____	3	ENGL 221	Introduction to Drama	_____	1	MUSC 137	Jazz Ensemble	_____	4	SPAN 201	Second Year Spanish I
_____	3	ENGL 222	Introduction to Poetry	_____	1	* MUSC 138	Percussion Ensemble	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 233	Fantasy and Science Fiction	_____	1	MUSC 145	Applied Music	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 236	Women and Literature	_____	1	MUSC 146	Applied Music - Major	_____	3	THEA 110	Introduction to Theatre Arts
_____	3	ENGL 238	Children's Literature	_____	3	PHIL 101	Introduction to Philosophy	_____	3	THEA 161	Acting I
_____	3	ENGL 251	British Literature I	_____	3	PHIL 210	Ethics	_____	3	THEA 180	Dramatic Literature and Style I
_____	3	ENGL 252	British Literature II	_____	3	PHIL 220	Introduction to Logic	_____	3	THEA 181	Dramatic Literature and Style II
_____	3	ENGL 261	American Literature I	_____	3	PHIL 250	Philosophy in Cinema	_____	3	THEA 261	Acting II
_____	3	ENGL 262	American Literature II	_____	3	PHIL 253	Environmental Ethics				
_____	3	ENGL 278	Alternative Literature								
_____	3	GEOG 161	World Regional Geography								

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 114	Chemistry in Art/Lab		3	MATH 146	Applied Calculus I		
	3	*	ACCT 201	Elements of Accounting II		4/1	CHEM 115	Introductory Chemistry/Lab		4	MATH 165	Calculus I		
	3/1		ASTR 150	Meteorology/Lab		4/1	CHEM 116	Intro to Organic and Biochemistry/Lab		4	MATH 166	Calculus II		
	3	*	BADM 202	Principles of Management		4/1	CHEM 121	General Chemistry I/Lab		3	*	MATH 208	Discrete Mathematics	
	3	*	BADM 210	Advertising I		4/1	CHEM 122	General Chemistry II/Lab		3	MATH 210	Elementary Statistics		
	3	*	BADM 240	Sales		3	*	CIS 147	Principles of Information Security		4	*	MATH 277	Mathematics for Elementary Teachers I
	3	*	BADM 281	Organizational Behavior		4	*	CIS 164	Networking Fundamentals I		3/1	MICR 202	Introductory Microbiology/Lab	
	3	*	BADM 282	Human Resource Management		3	CSCI 101	Introduction to Computers		3	*	NUTR 240	Principles of Nutrition	
	1	*	BIOL 102	Introduction to Aquarium Keeping		3	CSCI 122	Beginning Visual Basic		3/1	PHYS 100	Concepts of Physics/Lab		
	3		BIOL 109	The Living World		4	CSCI 160	Computer Science I		3/1	PHYS 110	Introductory Astronomy/Lab		
	3/1		BIOL 111	Concepts of Biology/Lab		4	CSCI 161	Computer Science II		4/1	PHYS 211	College Physics I/Lab		
	3/1		BIOL 115	Human Structure and Function/Lab		3/1	GEOG 121	Physical Geography/Lab		4/1	PHYS 212	College Physics II/Lab		
	3		BIOL 124	Environmental Science		3/1	GEOL 102	Historical Geology/Lab		4/1	PHYS 251	University Physics I/Lab		
	3/1		BIOL 125	Introduction to Ecology/Lab		3/1	GEOL 105	Physical Geology/Lab		4/1	PHYS 252	University Physics II/Lab		
	3/1		BIOL 126	Human Biology/Lab		3	GIS 105	Fundamentals of GIS		2/1	PLSC 110	World Food Crops/Lab		
	3/1		BIOL 150	General Biology I/Lab		3	*	GIS 107	GIS Applications		3/1	SCNC 101	Physical Science I/Lab	
	3/1		BIOL 151	General Biology II/Lab		4	MATH 103	College Algebra					(Biology & Chemistry)	
	3/1		BIOL 220	Anatomy and Physiology I/Lab		3	MATH 104	Finite Mathematics		3/1	SCNC 102	Physical Science II/Lab		
	3/1		BIOL 221	Anatomy and Physiology II/Lab		2	MATH 105	Trigonometry					(Physics & Geology)	
	3/1		BIOL 250	Survey of Tropical Biology/Lab		4	MATH 107	Pre-Calculus		3/1	SCNC 103	Physical Science III/Lab		
	3/1		BOT 170	Plant Form and Diversity/Lab		3	*	MATH 137	Applied Algebra				(Astronomy & Meteorology)	
	3	*	BUSN 120	Fundamentals of Business						2/1	*	SOIL 210	Introduction to Soil Science/Lab	
	3/1		CHEM 110	Survey of Chemistry/Lab										
	3/1		CHEM 112	Introduction to Forensic Science/Lab										

Transfer Courses

Transfer Courses

Transfer Courses

Academic Skills Courses (ASC)

The following Academic Skills Courses (ASC) are pre-college courses that indicate the need for college preparation work before enrollment in college level courses. These courses will not fulfill general education requirements, institutional credit requirements and cannot be included in the semester hours required for an Associate in Applied Science degree.

Gr.	Cr.			Gr.	Cr.		
_____	2	ASC 082	Effective Reading	_____	2	ASC 94	College Writing Prep I
_____	3	ASC 087	College Writing Prep	_____	2	ASC 95	College Writing Prep II
_____	1	ASC 088	Composition Lab	_____	2	ASC 96	College Writing Prep III
_____	2	ASC 91	Algebra Prep I	_____	3/1	ASC 098	Basic Biology/Lab
_____	2	ASC 92	Algebra Prep II				
_____	2	ASC 93	Algebra Prep III				