



Farm and Ranch Management

(Farm and Ranch)

Associate in Applied Science

Advising Worksheet* 2017-2018

Prescribed Technical Program	32-35
General Education	15
Elective Credit	17-23
Total Degree Credits	64-73

1st Year Fall Semester

Prescribed Technical Program Requirements

AGRI	115	Agriculture Math	3
AGRI	275	Introduction to Precision Farming	3
AGRI	289	Agriculture Industry Training	1-3
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 Communication I (Required)	3
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Total Credits 18-20

1st Year Spring Semester

Prescribed Technical Program Requirements

AGEC	246	Introduction to Agricultural Finance	3
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General Education Course

Arts & Humanities/Social & Behavioral Sciences

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

Select 6-9 credits from the list below ¹

1.			6-9
2.			

Total Credits 12-15

1st Year Summer Semester

Prescribed Technical Program Requirements

AGRI	297	Cooperative Education/Internship	2
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Total Credits 2

¹ A total of 17 Agriculture Electives are required for degree.

*This advising worksheet is unofficial and to be used for class planning purposes only. Please refer to the official catalog at <http://catalog.bismarckstate.edu/> for the complete listing of college degree requirements.

2nd Year Fall Semester

Prescribed Technical Program Requirements

AGEC	242	Introduction to Agricultural Management	3-4
AGEC	252	Farm Management Seminar	3
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 & Ranch Management Required Program Electives

Select 5-6 credits from the list below¹

1.			5-6
2.			

Total Credits 17-19

2nd Year Spring Semester

Prescribed Technical Program Requirements

AGEC	244	Introduction to Agricultural Marketing	3
ANSC	123/123L	Feeds and Feeding/Lab	3

General Education Course

Business, Math, Science & Technology

ACCT	200	Elements of Accounting I (Required)	3
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Farm & Ranch Management Required Program Electives

Select 6-8 credits from the list below¹

1.			6-8
2.			

Total Credits 15-17

Farm & Ranch Management Required Program Electives (Select 17 credits from the following:)

AGEC	250	AgriSales (Spring only)	3	PLSC	223/223L	Introduction to Weed Science/Lab (Spring only)	3
AGRI	276	Data Collection and Management (Fall only)	2	PLSC	225	Principles of Crop Production (Fall only)	3
AGRI	285	Precision Agriculture - Systems Software (Spring only)	2	PLSC	235	Field Scouting Techniques (Spring only)	2
AGRI	286	Advanced Mapping (Spring only)	2	PLSC	243	Advanced Weed Science (Spring only)	2
ANSC	220/220L	Livestock Production/Lab (Spring only)	3	PLSC	245	Advanced Crop Production (Fall only)	2
ANSC	252	Large Ruminant Production (Spring only)	2	RNG	236	Introduction to Range Management (Fall only)	3
ASM	130	Agriculture Industry Machinery Operation (Spring only)	2	SOIL	222/222L	Soil Fertility and Fertilizers/Lab (Spring only)	3
ASM	175	Agriculture Industry Skills (Fall only)	3	VETS	101	Introduction to Veterinary Science (Spring only)	2
				VETS	239	Animal Health (Fall only)	3

¹ A total of 17 Agriculture Electives are required for degree.

Associate in Applied Science (AAS) 2017-2018 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
- _____ Earned a minimum of 3 credits in Arts & Humanities/Social & Behavioral Sciences
- _____ Earned a minimum of 6 credits in Business, Math, Science & Technology
- _____ 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

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 Arts	_____	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 and 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 211	World Civilizations to 1500	_____	3	* PSYC 211	Introduction to Behavior Modification
_____	3	ART 211	Art History II	_____	3	HIST 212	World Civilizations since 1500	_____	3	PSYC 250	Developmental Psychology
_____	3	ART 220	Painting I	_____	3	HIST 220	North Dakota History	_____	3	* PSYC 261	Psychology of Adjustment
_____	3	ART 221	Painting II	_____	3	HIST 222	History of the Western Frontier	_____	3	PSYC 270	Abnormal Psychology
_____	3	ART 230	Drawing II	_____	3	HIST 224	American Studies I	_____	3	RELS 120	Religion in America
_____	3	ART 250	Ceramics I	_____	3	HIST 225	American Studies II	_____	3	RELS 201	Life and Letters of Paul
_____	3	ART 251	Ceramics II	_____	1-3	* HIST 243	Historical Investigations	_____	3	RELS 203	World Religions
_____	2	ART 265	Sculpture I	_____	3	HUMS 210	Integrated Cultural Studies	_____	3	RELS 220	Old Testament
_____	2	ART 266	Sculpture II	_____	1-4	HUMS 211	Integrated Cultural Excursion	_____	3	RELS 230	New Testament
_____	3	CJ 201	Introduction to Criminal Justice	_____	2	HUMS 212	Integrated Cultural Enrichment	_____	3	SOC 110	Introduction to Sociology
_____	3	COMM 112	Understanding Media and Social Change	_____	3	MUSC 100	Music Appreciation	_____	3	SOC 115	Social Problems
_____	3	COMM 211	Oral Interpretation	_____	1	MUSC 117	Concert Choir	_____	3	SOC 220	Family
_____	3	COMM 212	Interpersonal Communications	_____	1	MUSC 118	Chamber Choir	_____	3	SOC 221	Minority Relations
_____	3	ECON 105	Elements of Economics	_____	1	MUSC 121	String Ensemble	_____	3	SOC 235	Cultural Diversity
_____	3	ECON 201	Principles of Microeconomics	_____	1	MUSC 132	Wind Ensemble	_____	3	SOC 251	Gerontology
_____	3	ECON 202	Principles of Macroeconomics	_____	1	MUSC 133	Woodwind Ensemble I	_____	3	SOC 252	Criminology
_____	3	ENGL 211	Introduction to Creative Writing	_____	1	MUSC 134	Woodwind Ensemble II	_____	3	SOC 275	American Indian Studies
_____	3	ENGL 221	Introduction to Drama	_____	1	MUSC 135	Brass Ensemble I	_____	4	SPAN 101	First Year Spanish I
_____	3	ENGL 222	Introduction to Poetry	_____	1	MUSC 136	Brass Ensemble II	_____	4	SPAN 102	First Year Spanish II
_____	3	ENGL 233	Fantasy and Science Fiction	_____	1	MUSC 137	Jazz Ensemble	_____	4	SPAN 201	Second Year Spanish I
_____	3	ENGL 236	Women and Literature	_____	1	* MUSC 138	Percussion Ensemble	_____	4	SPAN 202	Second Year Spanish II
_____	3	ENGL 238	Children's Literature	_____	1	MUSC 145	Applied Music	_____	3	SWK 256	Development of Social Welfare
_____	3	ENGL 251	British Literature I	_____	1	MUSC 146	Applied Music - Major	_____	3	THEA 110	Introduction to Theatre Arts
_____	3	ENGL 252	British Literature II	_____	3	PHIL 101	Introduction to Philosophy	_____	3	THEA 161	Acting I
_____	3	ENGL 261	American Literature I	_____	3	PHIL 210	Ethics	_____	3	THEA 261	Acting II
_____	3	ENGL 262	American Literature II	_____	3	PHIL 220	Introduction to Logic				
_____	3	ENGL 278	Alternative Literature	_____	3	PHIL 250	Philosophy in Cinema				
_____	3	GEOG 161	World Regional Geography	_____	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 and 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 I	_____	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	The Living World	_____	3	CSCI 122	Beginning Visual Basic	_____	3/1	PHYS 110	Introductory 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 and 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 125	Introduction to Ecology/Lab	_____	3/1	GEOL 102	Historical Geology/Lab	_____	4/1	PHYS 252	University Physics II/Lab		
_____	3/1		BIOL 126	Human Biology/Lab	_____	3/1	GEOL 105	Physical Geology/Lab	_____	2/1	PLSC 110	World Food Crops/Lab		
_____	3/1		BIOL 150	General Biology I/Lab	_____	3	GIS 105	Fundamentals of GIS	_____	3/1	SCNC 101	Physical Science I/Lab		
_____	3/1		BIOL 151	General Biology II/Lab	_____	3	*	GIS 107	GIS Applications				(Biology & Chemistry)	
_____	3/1		BIOL 220	Anatomy and Physiology I/Lab	_____	4	MATH 103	College Algebra	_____	3/1	SCNC 102	Physical Science II/Lab		
_____	3/1		BIOL 221	Anatomy and Physiology II/Lab	_____	3	MATH 104	Finite Mathematics					(Physics & Geology)	
_____	3/1		BIOL 250	Survey of Tropical Biology/Lab	_____	2	MATH 105	Trigonometry	_____	3/1	SCNC 103	Physical Science III/Lab		
_____	3/1		BOT 170	Plant Form and 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) 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				