

# Agriculture Business & Management Technology

## Beatrice Campus

### Associate of Applied Science Degree

#### Types of jobs available:

- Golf course superintendent
- Grain elevator manager
- Livestock genetics salesperson
- Crop consultant
- Landscaper
- Equipment salesperson
- Research technician
- Crop and livestock production specialist
- Commercial pesticide applicator
- GPS precision specialist
- Agronomist
- Conservationist

#### Program overview

This program is located on the Beatrice Campus. Students are admitted every quarter. Students may focus in Agribusiness, Horticulture, Crops, Livestock, Golf Turfgrass Management, or Diversified Agriculture.

#### For more information contact:

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or the College Admissions Office

Beatrice 402-228-8214, 800-233-5027 ext. 1214

#### Credit Hours Required for Graduation:

<b>Agribusiness Focus:</b>	<b>132.0</b>
<b>Crops Focus:</b>	<b>132.0</b>
<b>Diversified Agriculture Focus:</b>	<b>132.0</b>
<b>Golf Turfgrass Management Focus:</b>	<b>132.0</b>
<b>Horticulture Focus:</b>	<b>132.0</b>
<b>Livestock Focus:</b>	<b>132.0</b>

Students who wish to pursue an Associate of Science degree in agriculture should visit with an SCC-Beatrice Agriculture Business & Management Technology faculty advisor.

#### AGRI Core Courses:

COURSE #	COURSE TITLE	CREDIT HRS
AGRI1123	Agribusiness Careers	4.5
AGRI1131	Crop & Food Science	4.5
AGRI1171	Ag Technology	3.0
AGRI1205	Enterprise Analysis	4.5
AGRI1216	Agribusiness Management	4.5
AGRI2204	Agribusiness Seminar I	4.5
AGRI2291	Ag Business Sales	4.5
AGRI2901	Agribusiness Cooperative Experience	12.0
		<b>42.0 hours</b>

#### General Education Requirements:

Contact your program advisor to select general education course/s from each category which will meet your program's graduation requirements. See page 16 for complete list.

(One class from each area below).

Oral Communications	4.5
Written Communications	4.5
(Plus three classes from the five areas below; no two classes from the same area).	
Mathematics, Science, Social Science, Humanities, and/or Computer Technology	13.5
	<b>22.5 hours</b>

#### Agribusiness Focus:

AGRI1135	Basic Fertilizer Management	3.0
AGRI1141	Livestock Management & Selection	6.0
AGRI1153	Soils & Plant Nutrition	6.0
AGRI1211	Fundamentals of Ag Marketing	4.5
AGRI1221	Livestock Nutrition	4.5
AGRI2219	Pesticide Certification (or HORT2219)	3.0
AGRI2232	Forage Harvesting and Management (or 2233 or 2253)	6.0
AGRI2233	Planting and Tillage Equipment (or 2232 or 2253)	6.0
AGRI2253	Grain Harvesting & Management (or AGRI2232 or AGRI2233)	6.0
AGRI2267	Advanced Marketing	4.5
AGRI2279	Precision Technology	4.5

#### Select 21 hours from the following:

AGRI1124	Basic Ag Leadership	4.5
AGRI1143	Introduction to Equine Management	4.5
AGRI1257	Live Animal Selection & Carcass Evaluation	4.5
AGRI2202	Advanced Ag Business Management	6.0
AGRI2220	Ag Chemicals & Equipment Application	4.5
AGRI2223	Principles of Livestock Feeding	4.5
AGRI2231	Animal Breeding	7.5
AGRI2245	Animal Health	6.0
AGRI2258	Livestock Ultrasound Technology	3.0
AGRI2265	Irrigation & Water Management	6.0
AGRI2280	Advanced Crops	4.5
AGRI2795	Special Topics – Cooperatives	1.0
HORT1132	Horticulture Plant Identification & Selection	4.5
HORT1154	Greenhouse Management	3.0
HORT1155	Basic Landscaping	4.5
HORT1239	Arboriculture	3.0
HORT1242	Turfgrass Management	4.5
HORT2265	Irrigation & Water Management	6.0

Agribusiness Focus: 63.0

Electives: 4.5

**67.5 hours**

#### Crops Focus:

AGRI1135	Basic Fertilizer Management	3.0
AGRI1141	Livestock Management & Selection	6.0
AGRI1153	Soils & Plant Nutrition	6.0
AGRI1211	Fundamentals of Ag Marketing	4.5
AGRI2202	Advanced Ag Business Management (or 2279)	6.0
AGRI2219	Pesticide Certification	3.0
AGRI2220	Ag Chemicals & Equipment Application	4.5
AGRI2233	Planting & Tillage Equipment	6.0
AGRI2253	Grain Harvesting & Management	6.0
AGRI2265	Irrigation & Water Management	6.0
AGRI2279	Precision Technology (or 2202)	4.5
AGRI2267	Advanced Marketing	4.5

#### Select 9 hours from the following:

AGRI2212	Ag Machinery Maintenance	3.0
AGRI2222	Agriculture Analysis	3.0
AGRI2232	Forage Harvesting and Management	6.0
AGRI2240	Range Management	6.0

AGRI2280	Advanced Crop	4.5
HORT1136	Plant Propagation	3.0
HORT1154	Greenhouse Management	3.0
HORT1242	Turfgrass Management	4.5
		Crops Focus: 63.0-64.5
		Electives: 3.0-4.5
		<b>67.5 hours</b>

#### Diversified Agriculture Focus:

AGRI1124	Basic Ag Leadership	4.5
AGRI1141	Livestock Management & Selection	6.0
AGRI1153	Soils & Plants Nutrition	6.0
AGRI1211	Fundamentals of Ag Marketing	4.5
AGRI1221	Livestock Nutrition	4.5

#### Agribusiness Courses Take a minimum of 6 credits

AGRI2202	Advanced Ag Business Management	6.0
AGRI2223	Principles of Livestock Feeding	4.5
AGRI2253	Grain Harvesting & Management	6.0
AGRI2267	Advanced Marketing	4.5
AGRI2279	Precision Technology	4.5

#### Livestock Courses take a minimum of 12 credits

AGRI1143	Introduction to Equine Management	4.5
AGRI1257	Live Animal Selection & Carcass Evaluation	4.5
AGRI2231	Animal Breeding	7.5
AGRI2240	Range Management	6.0
AGRI2245	Animal Health	6.0
AGRI2254	Advanced Swine Production	4.5
AGRI2255	Advanced Sheep & Goat Production	4.5
AGRI2256	Advanced Beef Production	4.5
AGRI2258	Livestock Ultrasound Technology	3.0



**Crops Courses Take a minimum of 12 credits**

AGRI1135	Basic Fertilizer Management	3.0
AGRI2219	Pesticide Certification	3.0
AGRI2220	Ag Chemicals & Equipment Application	4.5
AGRI2222	Agriculture Analysis	3.0
AGRI2240	Range Management	6.0
AGRI2265	Irrigation & Water Management	6.0
AGRI2280	Advanced Crops	4.5
HORT1136	Plant Propagation	3.0
HORT1154	Greenhouse Management	3.0
HORT1239	Arboriculture	3.0
HORT1242	Turfgrass Management	4.5
HORT2265	Irrigation & Water Management	6.0

**Mechanics Courses take a minimum of 9 credits**

AGRI1116	Electric & Gas Welding	2.0
AGRI1195	Advanced Electric and Gas Welding	2.0
AGRI1218	Basic Farm Engines	4.5
AGRI2212	Ag Machinery Maintenance	3.0
AGRI2232	Forage Harvesting and Management	6.0
AGRI2233	Planting & Tillage Equipment	6.0
AGRI2253	Grain Harvesting & Management	6.0
AGRI2265	Irrigation & Water Management	6.0
HORT2214	Horticulture Equipment Maintenance	3.0
HORT2265	Irrigation & Water Management	6.0
Diversified Agriculture Focus:		60.0
Electives:		7.5
<b>67.5 hours</b>		

**Golf Turfgrass Management Focus:**

AGRI1135	Basic Fertilizers	3.0
AGRI1153	Soils and Plant Nutrition	6.0
HORT2219	Pesticide Certification	3.0
AGRI2220	Ag Chem and Equip Application	4.5
HORT1132	Horticulture Plant Identification and Selection	4.5
HORT1190	Management of Turfgrass Pests	4.5
HORT1242	Turfgrass Management	4.5
HORT2214	Horticulture Equipment Maintenance	3.0
HORT2265	Irrigation & Water Management	6.0
HORT2288	Golf Course Management	6.0
HORT2295	Advanced Golf Course Management	8.0

**Select 10.5 hours from the following:**

AGRI2279	Technology Precision	4.5
HORT1136	Plant Propagation	3.0
HORT1154	Greenhouse Management	3.0
HORT1155	Basic Landscaping Design	4.5
HORT1239	Arboriculture	3.0
HORT2292	Landscape Maintenance	3.0
HORT2286	Advanced Landscaping	4.5
Golf Turfgrass Management Focus		63.5
Electives		4.0
<b>67.5 hours</b>		



**Horticulture Focus:**

AGRI1141	Livestock Management & Selection (or 1177)	6.0
AGRI1177	Companion Animal (or 1141)	4.5
AGRI1153	Soils & Plant Nutrition	6.0
AGRI2211	Fundamentals of Ag Marketing	4.5
HORT2219	Pesticide Certification	3.0
AGRI2220	Ag Chemicals & Equipment Application	4.5
HORT1132	Horticulture Plant Identification & Selection	4.5
HORT2265	Irrigation & Water Management	6.0

**Select 21 hours from the following:**

AGRI1116	Electric & Gas Welding	2.0
AGRI1135	Basic Fertilizer Management	3.0
AGRI2222	Agriculture Analysis	3.0
HORT1136	Plant Propagation	3.0
HORT1154	Greenhouse Management	3.0
HORT1155	Basic Landscaping	4.5
HORT1242	Turfgrass Management	4.5
HORT2214	Horticulture Equipment Maintenance	3.0
HORT2292	Landscape Maintenance	3.0

**Select 9 hours from the following:**

AGRI2240	Range Management	6.0
AGRI2279	Precision Technology	4.5
AGRI2286	Advanced Landscaping	4.5
HORT1190	Management of Turfgrass Pests	4.5
HORT1239	Arboriculture	3.0
HORT2288	Golf Course Management	6.0
Horticulture Focus:		63.0-64.5
Electives:		3.0-4.5
<b>67.5 hours</b>		

**Livestock Focus:**

AGRI1141	Livestock Management & Selection	6.0
AGRI1211	Fundamentals of Ag Marketing	4.5
AGRI1221	Livestock Nutrition	4.5
AGRI1257	Live Animal Selection & Carcass Evaluation	4.5
AGRI2223	Principles of Livestock Feeding	4.5
AGRI2231	Animal Breeding	7.5
AGRI2245	Animal Health	6.0

**Select 18 hours from the following courses:**

AGRI1135	Basic Fertilizer Management	3.0
AGRI1143	Introduction to Equine Management	4.5
AGRI1153	Soils and Plant Nutrition	6.0
AGRI1258	Introduction to Meats	4.5
AGRI2202	Advanced Ag Business Management	6.0
AGRI2222	Agriculture Analysis	3.0
AGRI2232	Forage Harvesting and Management	6.0
AGRI2240	Range Management	6.0
AGRI2253	Grain Harvesting & Management	6.0
AGRI2258	Livestock Ultrasound Technology	3.0
AGRI2267	Advanced Marketing	4.5
AGRI2280	Advanced Crops	4.5

**Select 9 hours from the following courses:**

AGRI2254	Advanced Swine Production	4.5
AGRI2255	Advanced Sheep & Goat Production	4.5
AGRI2256	Advanced Beef Cattle Production	4.5
Livestock Focus:		64.5
Electives:		3.0
<b>67.5 hours</b>		

**Program Electives**

AGRI1000	Introduction to Agriculture & Horticulture Technologies	4.5
AGRI1116	Electric & Gas Welding	2.0
AGRI1124	Basic Ag Leadership	4.5
AGRI1135	Basic Fertilizer Management	3.0
AGRI1143	Introduction to Equine Management	4.5
AGRI1153	Soils & Plant Nutrition	6.0
AGRI1177	Companion Animals	4.5
AGRI1195	Advanced Electric and Gas Welding	2.0
AGRI1218	Basic Farm Engines	4.5
AGRI1221	Livestock Nutrition	4.5
AGRI1257	Live Animal Selection & Carcass Evaluation	4.5
AGRI1258	Introduction to Meats	4.5
AGRI1281	Livestock Selection 1	1.5
AGRI1282	Livestock Selection 2	1.5
AGRI1283	Livestock Selection 3	1.5
AGRI2202	Advanced Ag Business Management	6.0
AGRI2212	Ag Machinery Maintenance	3.0
AGRI2219	Pesticide Certification	3.0
AGRI2220	Ag Chemicals & Equipment Application	4.5
AGRI2222	Agriculture Analysis	3.0
AGRI2223	Principles of Livestock Feeding	4.5
AGRI2225	Advanced Leadership Skills	3.0
AGRI2231	Animal Breeding	7.5
AGRI2232	Forage Harvesting and Management	6.0
AGRI2233	Planting & Tillage Equipment	6.0
AGRI2240	Range Management	6.0
AGRI2245	Animal Health	6.0
AGRI2253	Grain Harvesting & Management	6.0
AGRI2254	Advanced Swine Production	4.5
AGRI2255	Advanced Sheep & Goat Production	4.5
AGRI2256	Advanced Beef Cattle Production	4.5
AGRI2258	Livestock Ultrasound Technology	3.0
AGRI2265	Irrigation & Water Management	6.0
AGRI2267	Advanced Marketing	4.5
AGRI2279	Precision Technology	4.5
AGRI2280	Advanced Crops	4.5
AGRI2282	Livestock Selection 4	1.5
AGRI2283	Livestock Selection 5	1.5
AGRI2284	Livestock Selection 6	1.5
AGRI2291	Agribusiness Sales	4.5
AGRI2795	Special Topics – Cooperatives	1.0
AGRI2999	Individual Special Project	0.5-4.5
HORT1130	Introduction to Horticulture	4.5
HORT1132	Horticulture Plant Identification & Selection	4.5
HORT1136	Plant Propagation	3.0
HORT1154	Greenhouse Management	3.0
HORT1155	Basic Landscaping	4.5
HORT1190	Management of Turfgrass Pests	4.5
HORT1239	Arboriculture	3.0
HORT1242	Turfgrass Management	4.5
HORT2214	Horticulture Equipment Maintenance	3.0
HORT2219	Pesticide Certification	3.0
HORT2265	Irrigation & Water Management	6.0
HORT2286	Advanced Landscaping	4.5
HORT2288	Golf Course Management	6.0
HORT2292	Landscape Maintenance	3.0
HORT2295	Advanced Golf Course Management	8.0
HORT2999	Individual Special Project	0.5-4.5