

## Farm and Ranch Management Production

### Livestock Management Certificate A

#### Required Courses (Certificate A): 16 Credit Hours

Course ID	Course Title	Credit Hours	Notes
AGR 103	Principles of Animal Science	3	Fall/Spring
AGR 201	Animal Science and Industry	1	Fall/Spring
AGR 206	Farm Management	3	Spring
AGR 207	Marketing of Agriculture Products	3	Spring
Choose 2 of the Following:			
AGR 110	Agriculture Welding I	3	Fall
AGR 200	Agriculture Welding II	3	Spring
AGR 203	Fundamentals of Animal Nutrition	3	Spring
AGR 213	Agriculture Economics	3	Fall
AGR 216	Agriculture Technology Management	3	Fall
<b>Total:</b>		<b>16</b>	

### Farm and Ranch Management Production AAS

#### Required Courses: 45 Credit Hours

Course ID	Course Title	Credit Hours	Notes
	*All courses from Cert A	<b>16</b>	
AGR 100A	Field Studies I	1	Fall/Spring
AGR 100B	Field Studies II	2	Fall/Spring
AGR 101	Agriculture Orientation	1	Fall
AGR 214	Crop Science	4	Fall
AGR 215	Agricultural Computations	3	Fall
AGR 223	Agriculture Entomology	3	Fall
AGR 224	Soil Science	4	Spring
AGR 251	Agriculture Chemicals	2	Spring
AGR 260	Beef Management	3	Spring
AGR ***	AGR course not taken in Certificate	3	Fall/Spring
AGR ***	AGR course not taken in Certificate	3	Fall/Spring

#### General Education Courses: 15 Credit Hours

Course ID	Course Title	Credit Hours	Notes
COL 101	English Composition I	3	Fall/Spring/Summer
	Mathematics Bucket	3	
	Communications Bucket	3	
	Arts & Humanities Bucket	3	
	Social & Behavioral Bucket	3	
<b>Total:</b>		<b>60</b>	

### Certificate/AAS in Farm and Ranch Management Semester Plan

Fall	
Course	Credits
Principles of Animal Science	3
Animal Science and Industry	1
Field Studies I	1
Agriculture Orientation	1
Ag Certificate Elective	3
Crop Science	4
Ag Computations	3
<b>Total</b>	<b>16</b>

Spring	
Course	Credits
Farm Management	3
Marketing of Ag Products	3
Beef Management	3
Ag Certificate Elective	3
English Composition I	3
<b>Total</b>	<b>15</b>

Fall	
Course	Credits
Ag Certificate Elective	3
Ag Certificate Elective	3
Agriculture Entomology	3
Field Studies II	2
Mathematics Bucket	3
<b>Total</b>	<b>14</b>

Spring	
Course	Credits
Soil Science	4
Agriculture Chemicals	2
Arts & Humanities Bucket	3
Social & Behavioral Bucket	3
Communications Bucket	3
<b>Total</b>	<b>15</b>