### Farm and Ranch Management—Cow, Calf, and Swine
**Associate in Applied Science**
(63 total credit hours)

**BASIC SKILLS (12 Credits)**
- ENG 101 Composition I (3)
- ENG 102 Composition II: Literature and Research or ENG 103 Composition II: Rhetoric and Research or SP 101 Oral Communications (3)
- Physical Education (1)
  - PE 119 Tennis (1)
  - PE 121 Volleyball (1)
  - PE 122 Archery (1)
  - PE 124 Weightlifting I (1)
  - PE 129 Basketball (1)
  - PE 134 Golf (1)
  - PE 135 Running Awareness (1)
  - PE 139 Lifetime Fitness (2)
  - PE 140 Advanced Weightlifting/Condition I (1)
  - PE 141 PE for Men (1)
  - PE 240 Advanced Weightlifting/Condition II (1)
- Computer Literacy (3)
  - AB 227 Agriculture Microcomputer I (3)
- Orientation (2)
  - AB 114 Agriculture Orientation (2)

**SOCIAL & BEHAVIORAL SCIENCES (3 Credits)**
- Economics
  - BUS 203 Macroeconomics (3)

**HUMANITIES and FINE ARTS (3 Credits)**
- Art
  - A 101 Art Appreciation (3)
  - A 201 Art History I (3)
  - A 202 Art History II (3)
- Foreign Language
  - LG 101 Spanish I (5)
  - LG 102 Spanish II (5)
  - LG 201 Spanish III (3)
- History
  - HIS 101 United States History I (3)
  - HIS 102 United States History II (3)
  - HIS 103 History of Western Civilization I (3)
  - HIS 104 History of Western Civilization II (3)
  - HIS 202 Introduction to Ancient History (3)
  - HIS 204 Readings in Western Civilization I (3)
  - HIS 205 Readings in Western Civilization II (3)
- Literature
  - ENG 104 Introduction to Literature (3)
  - ENG 202 American Literature I (3)
  - ENG 208 Introduction to Short Story (3)
  - ENG 209 American Literature II (3)
  - ENG 210 World Literature I (3)
  - ENG 211 World Literature II (3)
  - ENG 212 English Literature I (3)
  - ENG 213 English Literature II (3)
  - LS 102 Children's Literature (3)
- Music
  - M 103 Music History/Appreciation (3)
  - M 223 History of Jazz (3)
- Philosophy
  - PHI 101 Introduction to Philosophy (3)
  - PHI 102 Introduction to Ethics (3)
  - PHI 103 Logic and Critical Thinking (3)
  - PHI 105 Religions of the World (3)
- Photography
  - PHO 107 History of Photography (3)
- Speech
  - SP 103 Oral Interpretation (3)
- Theatre
  - TH 105 Introduction to Drama (3)
  - TH 108 History/Appreciation of Theatre Arts (3)
  - TH 146 Musical Theatre History (3) (= to M 146)
  - TH 208 Film Appreciation (3)
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Associate in Applied Science
(63 total credit hours)

### MATHEMATICS OR SCIENCE (3 Credits)
- Mathematics (100 level or above)
- Natural Sciences
  - BS 101 College Biology with lab (5)
  - BS 104 Human Anatomy with lab (4)
  - BS 105 Human Physiology with lab (4)
  - BS 107 Intro to Environmental Sci. with lab (4)
  - BS 110 Nutrition (3)
  - BS 112 Nutrition for Health, Fitness & Sports w/lab (5)
  - BS 201 General Zoology with lab (5)
  - BS 202 General Botany with lab (5)
  - BS 203 Microbiology with lab (5)

### PHYSICAL SCIENCE
- PS 101 College Physical Science with lab (5)
- PS 102 Concepts of Physics with lab (4)
- PS 104 Physical Geology with lab (4)
- PS 107 General Chemistry with lab (5)
- PS 108 Astronomy with lab (4)
- PS 111 College Chemistry I with lab (5)
- PS 112 College Chemistry II with lab (5)
- PS 203 General Physics I with lab (5)
- PS 204 General Physics II with lab (5)
- PS 210 Organic Chemistry I with lab (5)
- PS 215 College Physics I with lab (5)
- PS 216 College Physics II with lab (5)

**Note:** BS 101 College Biology is the preferred Mathematics/Science course for this degree.

### DEGREE REQUIREMENTS (29 Credits)
- AB 108 Principles of Animal Science (3)
- AB 202 Agriculture Economics I (3)
- AB 203 Soils w/ Lab (4)
- AB 207 Fundamentals of Animal Nutrition (3)
- AB 208 Applied Animal Nutrition (3)
- AB 210 Crop Science w/ Lab (4)
- AB 216 Marketing Farm Products (3)
- AB 224 Range Management (3)
- BUS116 Introduction to Account (3)

### TECHNICAL ELECTIVES (Must take 3 credits)
- AB 220 Beef Production (3)
- AB 225 Animal Diseases & Health (3)

### OPEN ELECTIVES (10 Credits)

Basketball, Softball, Baseball Athletes:
(Qualifying courses for PE requirement)
- PE 136 Baseball Conditioning I (1)
- PE 137 Basketball Conditioning-Men (1)
- PE 138 Basketball Conditioning-Women (1)
- PE 149 Softball Conditioning I (1)
- PE 236 Baseball Conditioning II (1)
- PE 237 Adv Basketball Condition-Men (1)
- PE 238 Adv Basketball Condition-Women (1)
- PE 249 Softball Conditioning II (1)

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