

## REQUIREMENTS for BACHELOR OF SCIENCE DEGREE

<b>Core ANSC Courses</b>		<b>Semester</b>	<b>Credit</b>	<b>Completed</b>
ANSC 1120	Intro to Animal Science	(F, S)	4	_____
ANSC 1110	ANSC Career Development	(S)	1	_____
ANSC 303	Livestock, Meat & Wool	(F)		
	Evaluation <u>OR</u> ANSC 308 Horse Judging (S)		4	_____
ANSC 304	Feeds & Feeding	(F,S)	3	_____
ANSC 370	Anatomy & Physiology	(F)	4	_____
ANSC 402	Seminar	(F,S)	1	_____
ANSC 421	Physiology of Reproduction	(S)	4	_____
ANSC 422	Animal Nutrition	(F)	3	_____
ANSC 423	Animal Breeding	(F)	3	_____

### **AG Elective Choose 6 credits**

RGSC 2110	Range Management		3	_____
ANSC 1160	Introductory Horse Science	(F)	3	_____
ANSC 1180	Companion Animals in Society	(F)	3	_____
ANSC 1140	Intro to Dairy Science	(S)	3	_____
ANSC 2310	Intro to Meat Science		3	_____
ANSC 301	Animal & Carcass Evaluation	(F,S)	3	_____
ANSC Experience (Total of 3 credits)				
	ANSC 390	Internship (1-3 credits for S/U)		_____
	ANSC 391	Research (1-3 credits)		_____
	ANSC 392	Teaching/Extension (1-3 credits)		_____

### **Other Required Courses**

*Biol	2610G	Principles of Biology & Lab	4	_____
*Chem	1215G	General Chemistry I	4	_____
*Econ	1110G	Survey of Economics (or Econ 2110G or Econ 2120G)	3	_____
A ST	311 G	Statistical Applications	3	_____

### **GENERAL EDUCATION Requirements**

#### **Area I - Communications**

Engl	1110G	Freshman Composition	4	_____
Engl	2210G, 2221G, 2210G, 311G, 318G	(Take 3 credits)	3	_____
		• recommend Engl 2210		
Comm	1115G	Principles of Human Communication <u>OR</u>	3	_____
	<u>ACOM 1130G</u>	Effective leadership & Communication		

#### **Area II - Mathematics**

Math	2134G, 1130G, <u>1220G</u> , 1430G, 1511G	(Take 3 credits)	3	_____
		• Dept. requires Math 1220G or 1511G		

#### **Area III/IV - Laboratory Sciences and Social/Behavioral Sciences**

		• Students must take one course from both area III & IV for a total of 7 credits	7	_____
		Additional course in either area III or IV	3-4	_____
		• Recommend Biol 2610&L, Chem 1216&L, Econ G		

#### **Area V - Humanities**

			3	_____
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#### **Area VI - Creative & Fine Arts**

			3	_____
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#### **General Education Elective**

- Students must complete a GE elective requirement which may be out of any area except area I 3-4 \_\_\_\_\_
- Recommend for Science option Chem 1225&L

**See catalog for complete listing of General Education courses in each Area**

### **VIEWING A WIDER WORLD**

(Take 2 courses = 6 hrs)

6 \_\_\_\_\_

Students are required to take two courses from the **Viewing a Wider World list in the Undergraduate Catalog** which are upper-division (300-400 level) General Education "V" courses. One of the two courses must be in a college other than their own. The other course may be taken within their home college, but this course (1) must be in a different department from their major department; (2) must not be cross-listed with a course in their home department; and (3) cannot be counted as one of the requirements for the student's major.

\*Starred courses are also general education course choices

**Production Electives (Science Option 6 credits) (Industry Option 9 credits)**

ANSC 424	Swine Production	(F)	3	_____
ANSC 425	Horse Production	(S)	3	_____
ANSC 426	Beef Production: Cow/Calf	(S)	3	_____
ANSC 427	Dairy Production	(S even)	3	_____
ANSC 428	Sheep & Wool Production	(S odd)	3	_____
ANSC 429	Beef Production: Feedlot	(F)	3	_____
ANSC 468	Clovis Dairy Consortium	Summer	3	_____

**Science Option**

Biol 2110G	& Lab Cell Biology		4	_____
Chem 1225	Principles of Chemistry II		4	_____
Chem 313	314/315 Organic Chemistry series		8	_____
BCHE 395	Biological Chemistry		3	_____
ANSC 305	Principles of Genetics	(F,S)	3	_____

**Designated Electives Area I (At least one)**

Math 1511G	Calculus & Analytical Geometry I		3	_____
Math 1521G	Calculus & Analytical Geometry II		3	_____
Phys 1230G	General Physics I		3	_____
	1230L		4	_____
Phys 1240G	General Physics II		3	_____
	1240L		4	_____

**Designated Electives Area II (At least one)**

ANSC 462	Parasitology		3	_____
ANSC 480	Env. Physiology of Domestic Animals	(Fall odd)	3	_____
ANSC 484	Ruminant Nutrition		3	_____
Tox 361	Basic Toxicology		3	_____
OR any BIOL course numbered 300 and above (except BIOL 305)			3	_____

**Industry Option**

ANSC 2330	Intro to Meat Animal Production	(S)	3	_____
ANSC 2340	Animal Genetics	(F)	3	_____
ANSC 1170	Animal Metabolism	(S)	3	_____
ANSC 325	Mastering Financial Ag Statements	(S)	3	_____
OR	AEEC 2120 Intro food Ag Accounting	(F)	3	_____
OR	ACCT 2110 Managerial Accounting		3	_____

**Ranch Mgt Electives (9 credits)**

ANSC 383	Equine Repro Management	(S)	3	_____
ANSC 480	Env. Physiology of Domestic Animals	(Fall odd)	3	_____
ANSC 488	Equine Nut. & Exercise Phys.	(F)	3	_____
RGSC 318	Watershed Management		3	_____
RGSC 325	Rangeland Restoration Ecology		3	_____
RGSC 316	Range Plants		3	_____
RGSC 458	Livestock Behavior, Welfare and Handling	(S)	3	_____
AEEC 250	Tech & Comm for Business Mgt		3	_____
AEEC 350	Adv. Microcomputer App. In Ag.		3	_____

**Business Electives (3 credits)**

AEEC 305	Marketing and Pricing of Ag Products		3	_____
AEEC 456	Agribusiness Mgt		3	_____
MGT 361	Small Business Mgt		3	_____
MKT 312	Personal Selling		3	_____

\* Or any ACCT, BUSA, MGT, MKTG numbered 300 and above that are NOT VWW courses

- 120 CREDITS ARE NEEDED TO GRADUATE
- 48 Credits must be from courses numbered 300 or higher
- 35 Credits must be from the College of Agriculture & Home Economics