

**Department of Animal and Range Sciences, NMSU**  
**Example Degree Plan to Fulfill the Requirements for a**  
**Bachelor of Science Degree in Animal Science**

*\*Courses in green can be substituted for other equivalent classes.*

*See list of course substitutions after example course plan.*

**Freshman Year**

Fall Semester	credit hours	Spring Semester	credit hours
<b>ANSC 100 Introductory Animal Science (3 credits) + Lab (1 credit)</b> <i>(Lecture: Tue/Th 8:55am-10:10am; Lab: Th 1:30-3:20pm OR 3:30-5:20pm; offered fall only)</i>	4	<b>CHEM 111G General Chemistry I + Lab (4 credits)</b> <i>(offered at various times; fall, spring, or summer)</i> <b>CHEM 101 General Supplemental Instruction (1 credit)</b> - *Not required but <b>HIGHLY</b> recommended <i>(offered at various times; fall or spring)</i>	4 (1)
<b>ANSC 112 Companion Animals in Society</b> <i>(Lecture: M/W/F 12:30-1:20pm; offered fall only)</i>	3	<b>ANSC 200 Introduction to Meat Animal Production (3 credits) + Lab (0 credits)</b> <i>(Lecture: Tue/Th 7:30am-8:20am; Lab: 1:30pm-3:20pm; offered spring only)</i>	3
<b>ACES 111 Freshman Orientation</b> <i>(Lecture: Tue/Th 11:45-12:30 OR 1:10-2:00; first Mini Semester (ends ~ October 14); offered fall only)</i>	1	<b>ANSC 220 Animal Science Career Development</b> <i>(Lecture: Mon 12:30-1:20pm; offered spring only)</i>	1
<b>ENGL 111G Rhetoric and Composition</b> <i>(offered at various times; fall, spring, or summer)</i>	4	<b>ENGL 218G Technical and Scientific Communication</b> <i>(offered at various times; fall, spring, or summer)</i>	3
<b>MATH 120 Intermediate Algebra</b> <i>(*some students may be eligible to start with MATH 121)</i> <i>(offered at various times; fall, spring or summer)</i>	3	<b>MATH 121G College Algebra</b> <i>(offered at various times; fall, spring or summer)</i>	3
<b>Humanities and Fine Arts or Social Behavioral Sciences General Education Elective</b> <i>(*See NMSU undergraduate catalog for list of courses.)</i>	3	<b>AXED 201G Effective Leadership &amp; Communication in Agricultural Organizations (3 credits) + Lab (0 credits)</b> <i>(offered at various times; fall or spring)</i>	3
<b>Total credit hours</b>	<b>18</b>	<b>Total credit hours</b>	<b>17-18</b>

**Sophomore Year**

Fall Semester	credit hours	Spring Semester	credit hours
<b>RGSC 294 Range Management</b> <i>(Lecture: M/W/F 9:30-10:20am; also offered spring)</i>	3	<b>ANSC 308 Horse Evaluation (4 credits) + Lab (0 credits)</b> <i>(Lecture: Tue/Th 1:30-2:20pm; Lab: Tue/Th 2:40-4:30pm; offered spring only)</i>	4
<b>BIOL 111G Natural History of Life (3 credits) + BIOL 111GL (Lab) (1 credit) + Workshop (0 credits)</b> <i>(offered at various times; fall, spring, or summer)</i>	4	<b>ANSC 304 Feeds &amp; Feeding (3 credits) + Lab (0 credits)</b> <i>(Lecture: Tue/Th 10:20-11:35am; Lab: Wed 1:30-3:20pm OR 3:30-5:20pm; also offered fall)</i>	3
<b>ANSC 262 Introduction to Meat Science (3 credits) + Lab (0 credits)</b> <i>(Lecture: Tue/Thur 11:45am-12:35pm; Lab: Wed 1:30pm-4:20pm; offered fall only)</i>	3	<b>ANSC 285 Companion Animal Management</b> <i>(Lecture: M/W/F 8:30-9:20am; offered spring only)</i>	3
<b>ECON 201G Introduction to Economics</b> <i>(satisfies Social/Behavioral Sciences Elective)</i> <i>(offered at various times; fall, spring or summer)</i>	3	<b>ANSC 261 Animal Metabolism</b> <i>(Lecture: M/W/F 10:30-11:20am; offered spring only)</i>	3
<b>ANSC 201 Introduction to Genetics for Animal Production</b> <i>(Lecture: Tue/Th 7:30-8:45am; offered fall only)</i>	3	<b>Humanities and Fine Arts or Social Behavioral Sciences General Education Elective</b> <i>(*See NMSU undergraduate catalog for list of courses.)</i>	3
<b>Total credit hours</b>	<b>16</b>	<b>Total credit hours</b>	<b>16</b>

**Junior Year**

Fall	credit hours	Spring	credit hours
<b>ANSC 370 Anatomy and Physiology (4 credits) + Lab (0 credits)</b> <i>(Lecture: Tue/Th 7:30-8:45am; Lab: Wed 1:30-3:20pm; offered fall only)</i>	4	<b>ANSC 301 Animal and Carcass Evaluation</b> <i>(Lecture: Tue/Th 11:45am-1:00pm; Lab Tue 1:10-4:00pm; offered spring only)</i>	3
<b>ANSC 311 Companion Animal Behavior and Training</b> <i>(Lecture: Tue/Th 8:55-10:10am; offered fall only)</i>	3	<b>ANSC 425 Horse Science Management (3 credits) + Lab (0 credits)</b> <i>(Lecture: M/W 10:30-11:20am Lab W 12:00-1:50pm; offered spring only)</i>	3
<b>AG E 305 Marketing and Pricing Agricultural Products</b> <i>(Lecture: Tue/Th 11:45am-1:00pm; offered fall and spring)</i>	3	<b>ANSC 421 Physiology of Reproduction (4 credits) + Lab (0 credits)</b> <i>(Lecture: M/W/F 7:30-8:20am; Lab: Mon 1:30-3:20pm or 3:30-5:20pm; offered spring only)</i>	4
<b>A ST 311G Statistical Applications</b> <i>(offered at various times; spring, summer, and fall)</i>	3	<b>Ag E 260 Farm and Ranch Records</b> <i>(Lecture: M/W/F 9:30-10:20am; offered spring only)</i>	3
<b>ANSC 312V Companion Animals and the Human/Animal Bond</b> <i>(Lecture: M/W/F 10:30-11:20am; offered fall only)</i>	3	<b>Humanities and Fine Arts or Social Behavioral Sciences General Education Elective</b> (*See NMSU undergraduate catalog for list of courses.)	3
<b>Total credit hours</b>	<b>16</b>	<b>Total credit hours</b>	<b>16</b>

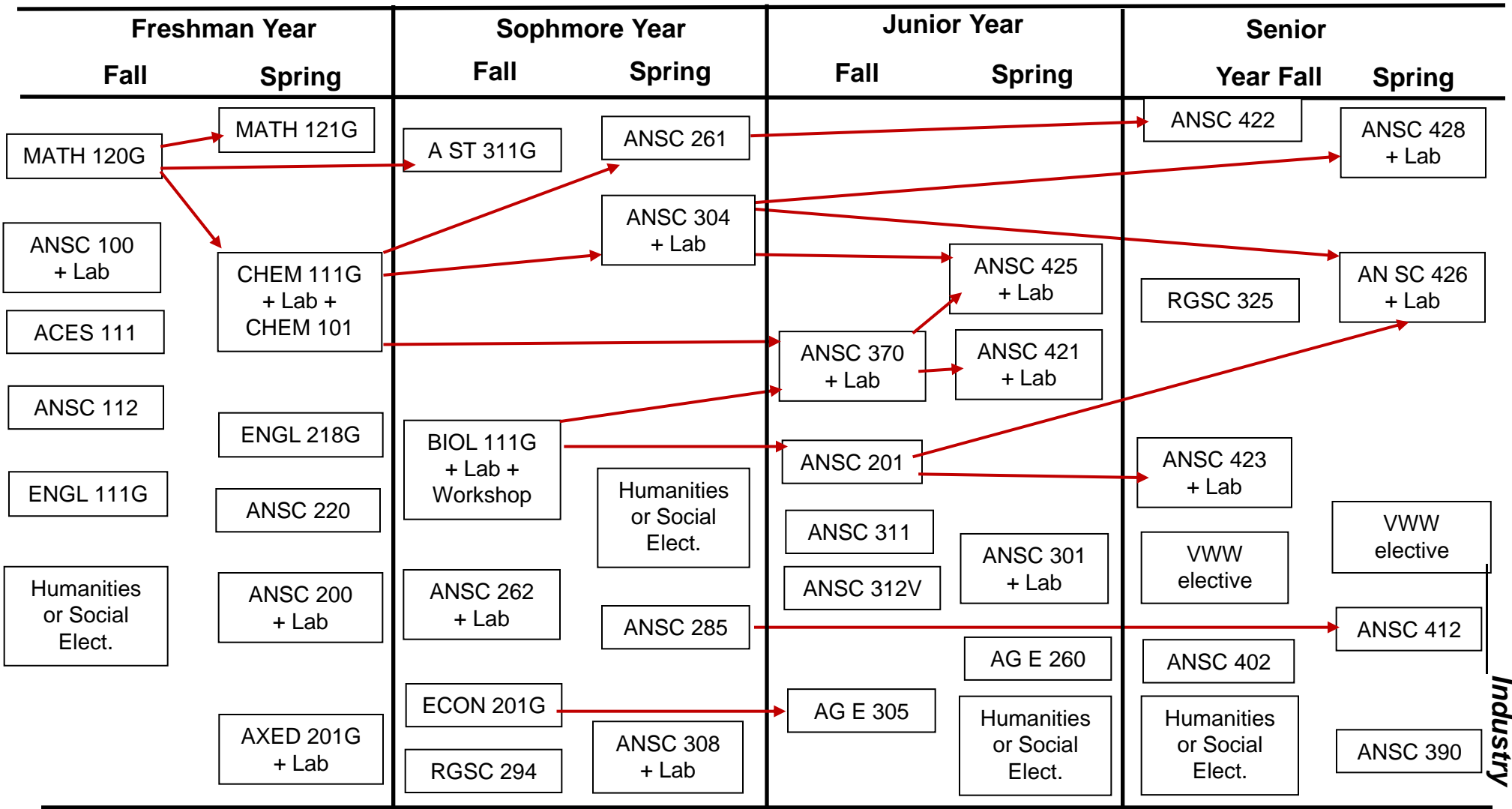
**Senior Year**

Fall		Spring	
<b>ANSC 422 Animal Nutrition</b> <i>(Lecture: M/W/F 10:30-11:20am; offered fall only)</i>	3	<b>VWW Elective</b> <b>FIN 303V Personal Financial Planning and Investing in a Global Economy</b> <i>(Lecture: Tues/Thur 10:20-11:35am OR Lecture: Wed 6:00pm-8:30pm; offered spring and fall)</i>	3
<b>ANSC 423 Animal Breeding (3 credits) + Lab (0 credits)</b> <i>(Lecture: M/W 9:30-10:20am; Lab: Th 1:10-3:00pm or 3:10-5:00pm; offered fall only)</i>	3	<b>ANSC 426 Beef Production (3 credits) + Lab (0 credits)</b> <i>(Lecture: M/W 8:30-9:20am; Lab Th 1:10-3:00pm or 3:10-5:00pm; offered spring only)</i>	3
<b>RGSC 325 Rangeland Restoration Ecology</b> <i>(Lecture: Tues/Thur: 7:30am-8:45am; offered fall only)</i>	3	<b>ANSC 428 Sheep &amp; Wool Production</b> <i>(Lecture: Tue/Thur 8:55-9:45am; Lab: Thurs: 1:10-3:00pm offered spring odd years only)</i>	3
<b>Humanities and Fine Arts or Social Behavioral Sciences General Education Elective</b> (*See NMSU undergraduate catalog for list of courses.)	3	<b>ANSC 412 Companion Animal Health and Diseases</b> <i>(Lecture: M/W/F 12:30-1:20pm; offered spring only)</i>	3
<b>VWW elective</b> (*See NMSU undergraduate course catalogue for a list of courses.)	3	<b>ANSC 390 Internship</b> <i>(offered fall, spring or summer)</i>	3
<b>ANSC 402 Animal Science Seminar</b> <i>(Lecture: M 1:30-2:20; also offered spring)</i>	1		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

**130-131 total credits**

# Department of Animal and Range Sciences, NMSU

## Flow Chart for Bachelor of Science in Animal Science Example Degree Plan *Companion Animal Industry Emphasis*



→ Course prerequisite

**Freshman Year Course Prerequisites**

- CHEM 111G – Prerequisite – grade of C or better in Math 120 OR adequate math placement exam score
  - B or better in 2<sup>nd</sup> semester high school chemistry OR grade of C or better in CHEM 100 Or ACT score of at least 22
- ENG 111G – Prerequisite – ACT standard score in English of 16 or higher OR a Compass score of 76 or higher
- MATH 120G – Prerequisite – adequate score on math placement exam
- MATH 121G – Prerequisite – grade of C or better in Math 120 OR adequate score on math placement exam

**Companion Animal Industry**