

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
ANSC 100 Introductory Animal Science (3 credits) + Lab (1 credit) <i>(Lecture: Tue/Th 8:55am-10:10am; Lab: Th 1:30-3:20pm OR 3:30-5:20pm; offered fall only)</i>	4	CHEM 111G General Chemistry I + Lab (4 credits) <i>(offered at various times; fall, spring, or summer)</i> CHEM 101 General Supplemental Instruction (1 credit) - *Not required but HIGHLY recommended <i>(offered at various times; fall or spring)</i>	4 (1)
ANSC 112 Companion Animals in Society <i>(Lecture: M/W/F 12:30-1:20pm; offered fall only)</i>	3	ANSC 285 Companion Animal Management <i>(Lecture: M/W/F 8:30-9:20am; offered spring only)</i>	3
ACES 111 Freshman Orientation <i>(Lecture: Tue/Th 11:45-12:30 OR 1:10-2:00; first Mini Semester (ends ~ October 14); offered fall only)</i>	1	ANSC 220 Animal Science Career Development <i>(Lecture: Mon 12:30-1:20pm; offered spring only)</i>	1
ENGL 111G Rhetoric and Composition <i>(offered at various times; fall, spring, or summer)</i>	4	ENGL 218G Technical and Scientific Communication <i>(offered at various times; fall, spring, or summer)</i>	3
MATH 120 Intermediate Algebra <i>(*some students may be eligible to start with MATH 121)</i> <i>(offered at various times; fall, spring or summer)</i>	3	MATH 121G College Algebra <i>(offered at various times; fall, spring or summer)</i>	3
Humanities and Fine Arts or Social Behavioral Sciences General Education Elective <i>(*See NMSU undergraduate catalog for list of courses.)</i>	3	AXED 201G Effective Leadership & Communication in Agricultural Organizations (3 credits) + Lab (0 credits) <i>(offered at various times; fall or spring)</i>	3
Total credit hours	18	Total credit hours	17-18

Sophomore Year

Fall Semester	credit hours	Spring Semester	credit hours
CHEM 112G General Chemistry II (4 credits) + Lab (0 credits) <i>(offered at various times; fall, spring or summer)</i> CHEM 102 General Supplemental Instruction II (1 credit) <i>*Not required but HIGHLY recommended</i> <i>(offered at various times; fall or spring)</i>	4 (1)	CHEM 313 Organic Chemistry I <i>(Lecture: M/W/F 10:30-11:20am spring; also offered summer and fall)</i>	3
BIOL 111G Natural History of Life (3 credits) + BIOL 111GL (Lab) (1 credit) + Workshop (0 credits) <i>(offered at various times; fall, spring, or summer)</i>	4	BIOL 211G Cellular and Organismal Biology (3 credits) + BIOL 211GL (Lab) (1 credit) <i>(offered at various times; fall, spring or summer)</i>	4
ANSC 311 Companion Animal Behavior and Training <i>(Lecture: Tue/Th 8:55-10:10am; offered fall only)</i>	3	ANSC 304 Feeds & Feeding (3 credits) + Lab (0 credits) <i>(Lecture: Tue/Th 10:20-11:35am; Lab: Wed 1:30-3:20pm OR 3:30-5:20pm; also offered fall)</i>	3
ECON 201G Introduction to Economics <i>(satisfies Social/Behavioral Sciences Elective)</i> <i>(offered at various times; fall, spring or summer)</i>	3	ANSC 308 Horse Evaluation (4 credits) + Lab (0 credits) <i>(Lecture: Tue/Th 1:30-2:20pm; Lab: Tue/Th 2:40-4:30pm; offered spring only)</i>	4
Humanities and Fine Arts or Social Behavioral Sciences General Education Elective <i>(*See NMSU undergraduate catalog for list of courses.)</i>	3	Humanities and Fine Arts or Social Behavioral Sciences General Education Elective <i>(*See NMSU undergraduate catalog for list of courses.)</i>	3
Total credit hours	17-18	Total credit hours	17

Junior Year

Fall	credit hours	Spring	credit hours
ANSC 370 Anatomy and Physiology (4 credits) + Lab (0 credits) (Lecture: Tue/Th 7:30-8:45am; Lab: Wed 1:30-3:20pm; offered fall only)	4	ANSC 305 Principle of Genetics (Lecture: M/W/F 8:30-9:20am; also offered fall)	3
ANSC 312V Companion Animals and the Human/Animal Bond (Lecture: M/W/F 10:30-11:20am; offered fall only)	3	ANSC 425 Horse Science Management (3 credits) + Lab (0 credits) (Lecture: M/W 10:30-11:20am Lab 12:00-1:50pm; offered spring only)	3
CHEM 314 Organic Chemistry II (3 credits) + CHEM 315 Organic Chemistry Lab (2 credits) (Lecture: Tue/Th 6:00-7:15pm or M/W/F 10:30-11:20am; Lab: offered at various times; also offered spring and summer)	5	ANSC 421 Physiology of Reproduction (4 credits) + Lab (0 credits) (Lecture: M/W/F 7:30-8:20am; Lab: Mon 1:30-3:20pm or 3:30-5:20pm; offered spring only)	4
RGSC 294 Range Management (Lecture: M/W/F 9:30-10:20am; also offered spring)	3	BCHE 395 Biochemistry I (Lecture: M/W/F 2:30-3:20pm or Tue 6:00-9:00pm; also offered spring)	3
Humanities and Fine Arts or Social Behavioral Sciences General Education Elective (*See NMSU undergraduate catalog for list of courses.)	3	VWW elective (*See NMSU undergraduate course catalogue for a list of courses.)	3
Total credit hours	18	Total credit hours	16

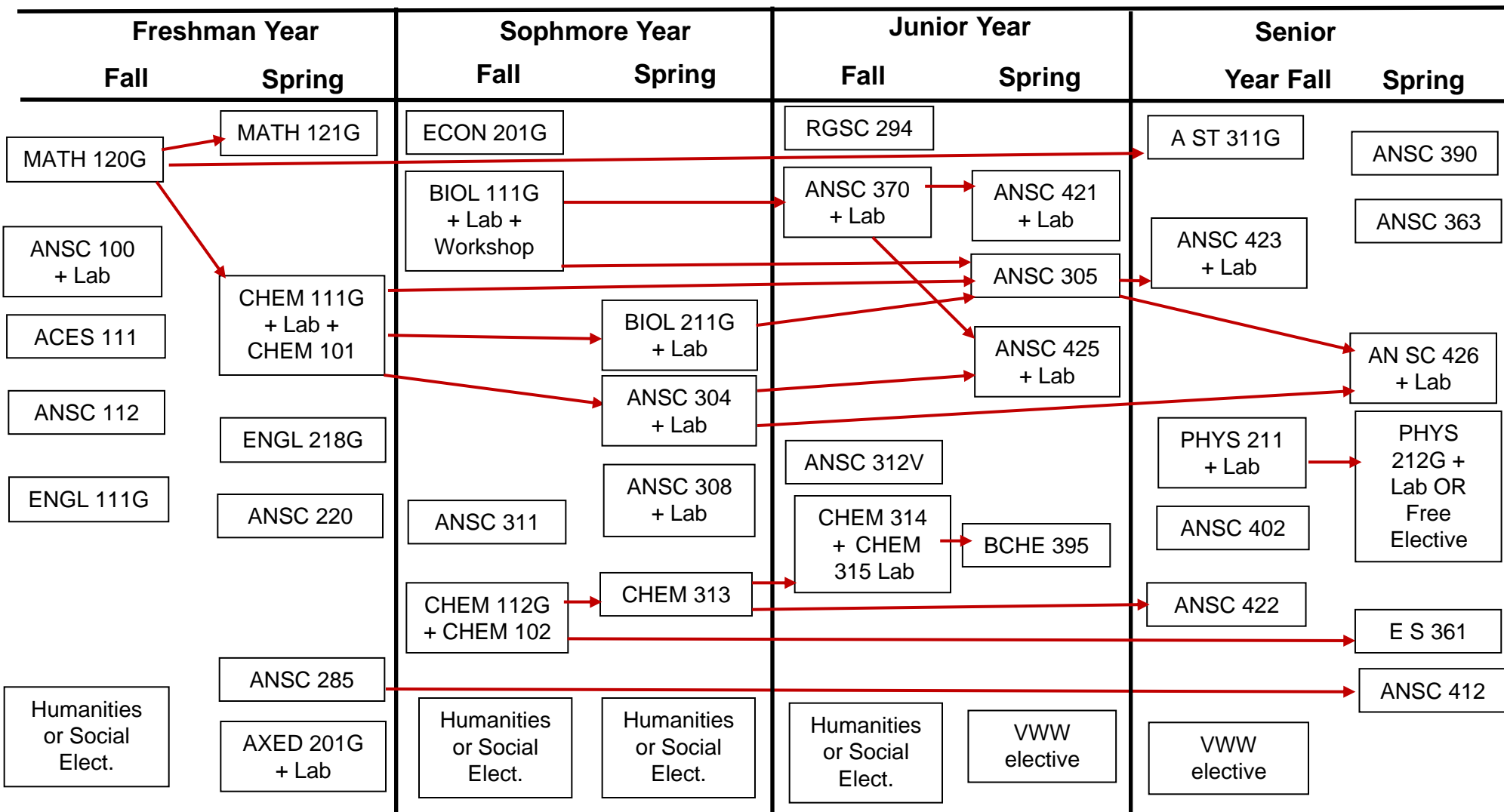
Senior Year

Fall		Spring	
ANSC 422 Animal Nutrition (Lecture: M/W/F 10:30-11:20am; offered fall only)	3	E S 361 Basic Toxicology (Lecture: Tue/Th 11:45-1:00pm; also offered fall)	3
ANSC 423 Animal Breeding (3 credits) + Lab (0 credits) (Lecture: M/W 9:30-10:20am; Lab: Th 1:10-3:00pm or 3:10-5:00pm; offered fall only)	3	ANSC 426 Beef Production (3 credits) + Lab (0 credits) (Lecture: M/W 8:30-9:20am; Lab Th 1:10-3:00pm or 3:10-5:00pm; offered spring only)	3
PHYS 211G General Physics I (3 credits) + PHYS 211GL General Physics I Lab (1 credit) (offered at various times; spring, summer, and fall)	4	ANSC 363 Meat Technology (Lecture: Tue/Th 8:55-10:10am; offered spring only)	3
VWW elective (*See NMSU undergraduate course catalogue for a list of courses.)	3	ANSC 412 Companion Animal Health and Diseases (Lecture: M/W/F 12:30-1:20pm; offered spring only)	3
ANSC 402 Animal Science Seminar (Lecture: M 1:30-2:20; also offered spring)	1	ANSC 390 Internship (offered fall, spring or summer)	3
A ST 311G Statistical Applications (offered at various times; spring, summer, and fall)	3	Free Elective OR PHYS 212G General Physics II (3 credits) + PHYS 212GL General Physics II Lab (1 credit) (Lecture: Tue/Th 1:10-2:25pm; Lab: offered at various times) *May be required by some Vet schools	(3-4)
Total	17	Total	15-19

135-141 total credits

Department of Animal and Range Sciences, NMSU

Flow Chart for Bachelor of Science in Animal Science Example Degree Plan *Companion Animal Science 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 2nd 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