

Veterinary Science Checklist (2017 Catalog)

This checklist is intended as a guide and is not an official document.

Graduation Requirements

Total Units: _____/120
Upper Division Units: _____/42
4 year institution Units: _____/56
Cumulative GPA:
Major GPA:
Mid Career-Writing Assessment:
Minor:
Minor GPA:
Remaining Minor Courses:
Honors:
Remaining Honors Units:

General Education Requirements

Foundations

_____ MATH 112 College Algebra or higher
_____ ENGL101/102 or ENGL 109H
_____ Foreign Language: 1-2 semesters depending on placement or 1 year proficiency required (included SERP 370a AND 370b)

Core Curriculum Tier One (12 units)

_____ and _____ *Individuals and Societies* (2 courses from 150a, 150b or 150c)
_____ and _____ *Traditions and Cultures* (2 courses from 160a, 160b, 160c or 160d)

Core Curriculum Tier Two (9 units)

_____ Arts (3 units)
_____ Humanities (3 units)
_____ Individuals and Societies (3 units) (ECON 200 counts towards the major and not towards this requirement).
_____ Diversity Emphasis Course

For more information contacts:

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*If you test out of Math 112, you are not eligible to take this course

Vet Science BS Requirements

Supporting Coursework

_____ Communications 3 units (AGTM 422 or Comm 101 or 119)
_____ General Biology I 4 units (MCB 181R and MCB 181L or MCB 184)
_____ General Biology II 4 units (ECOL 182R and ECOL 182L)
_____ General Microbiology 4 units (MIC 205a and MIC 205L)
_____ Fundamentals of Biochemistry 3 units (BIOC 384)
_____ Metabolic Biochemistry 3 units (BIOC 385)
_____ Statistics 3-4 units (MATH 263 or 163, SBS 200, PSY 230* and ISTA 116)
_____ General Physics I 4 units (PHYS 102 and 181)
_____ General Physics II 4 units (PHYS 103 and 182)
_____ Economics 3 units (ECON 200 or 201a)
_____ General Chemistry I 4 units (CHEM 151)
_____ General Chemistry II 4 units (CHEM 152)
_____ Organic Chemistry I 4 units (CHEM 241A AND CHEM 243A)
_____ Organic Chemistry I 4 units (CHEM 241B AND CHEM 243b)

Major Core Courses (min. 15 units)

_____ Intro. To Animal Science 4 units (ACBS 102R and ACBS 102L) **Lecture Fall only**
_____ Careers in Veterinary Science 1 unit (ACBS 195F) **Fall only**
_____ Genetics 3-4 units (ACBS 313 or PLS 312) **Spring only**
_____ Anatomy and Physiology I 3 units (ACBS 400A) **Fall only**
_____ Anatomy and Physiology II 3 units (ACBS 400b) **Spring only**
_____ Immunology 4 units (ACBS 419) **Fall only**
_____ Professional Development in Agriculture (ACBS 395a) **Spring Only**

Major Core Electives (See Page 2, min. 11 units)

6 Units of Disease-related Coursework:

5 Units of Disease or Non-Disease Related Coursework:

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Veterinary Science Electives

To complete your major electives complete ≥ 11 units. (≥ 6 units of disease-related coursework)

**Up to 3 units of independent Study (ACBS 399/499), Internship (ACBS 493), or Preceptorship (ACBS 491) can be counted as elective units.

Term	Disease-Related	Non Disease-Related
Fall	ACBS 380 Food Safety and Microbiology (4) L ACBS 403R Biology of Animal Parasites (3) ACBS 410 Animal Toxicology (3) MIC 420 Pathogenic Bacteriology (3) ACBS 443 Research Animal Methods (3) ACBS 449 Diseases of Wildlife (3) MIC 452 Antibiotics: A Biological Perspective (3) ACBS 491 Preceptorship (1-3) ACBS 492 Directed Research (1-6) ACBS 493 Internship (1-3) ACBS 399/499 Independent Study (1-3)	ACBS 270 Intro to Horse Science (3) ACBS 315R Physiology of Reproduction (3) ACBS 315L Physiology of Repro. Lab (1) L AREC 315 Agribusiness Economics & Mgmt. (3) ACBS 336A Applied Animal Nutrition (3) ACBS 431 Equine Nutrition and Mgmt. (3) ACBS 491 Preceptorship (1-3) ACBS 493 Internship (1-3) ACBS 492 Directed Research (1-6) ACBS 399/499 Independent Study (1-3)
Spring	ACBS 317 One Health (3) ACBS 405 Principles of Livestock Health Management (3) ACBS 406 Companion Animal Diseases (3) ACBS 423 Mechanisms of Disease (3) MIC 430 Food Microbiology and Biotechnology (3) MIC 433 Medical and Molecular Virology (4) ACBS 438 Ecology of Infectious Disease (3) ACBS 456 Aquaculture (3) ACBS 457 Medical-Veterinary Entomology ACBS 491 Preceptorship (1-3) ACBS 492 Directed Research (1-6) ACBS 493 Internship (1-3) ACBS 399/499 Independent Study (1-3)	ACBS 220 Intro to Dairy Science (2) ACBS 370 Form and Function of the Equine Athlete (3) ACBS 316 Equine Reproductive Physiology & Management (3) MCB 410 Cellular Biology (3) ACBS 445 Nutrition and Metabolism (3) MCB 473 Recombinant DNA Methods & Applications (4) L ACBS 477 Beef Resource Management (3) ACBS 491 Preceptorship (1-3) ACBS 492 Directed Research (1-6) ACBS 493 Internship (1-3) ACBS 399/499 Independent Study (1-3)

*******When picking your major electives please consult with your major advisor to ensure that you are aware of all course possibilities and are meeting the prerequisites for the courses.*******