



[EQUSPVMAS; CIP Code 01.0507]

Associate in Science (A.S.) – Transfer

This biology program option provides students with the basic course requirements to satisfy the first two years of a baccalaureate degree in pre-veterinary medicine or to apply to a veterinary medicine doctoral program that accepts associate degree candidates. Veterinary medicine doctoral programs will require students complete the GRE, Biochemistry at a different institution and work or volunteer hours in the field.

Program Learning Outcomes

Students who have completed the program should be able to:

- Demonstrate knowledge of theory and practical experience and handling in anatomy, physiology, nutrition, behavior, health and reproduction of the horse and other animal species
- Demonstrate knowledge of major concepts in animal and equine science, biology, chemistry, physics and mathematics essential for further study in veterinary medicine

Equine Science: Pre-Veterinary Medicine Option, A.S.

FIRST YEAR – Fall Semester

☐ BIOL 101 General Biology I	4
☐ BIOL 120 Animal Science	4
☐ CHEM 101 General Chemistry I	4
☐ MATH 130 Calculus I	4
	16

Spring Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
☐ BIOL 102 General Biology II	4
☐ BIOL 118 Introduction to Equine Science	4
☐ CHEM 102 General Chemistry II	4
☐ _____ General Education Humanities Elective	3
	18–19

SECOND YEAR – Fall Semester

☐ ENGL 102 English Composition II	3
☐ CHEM 201 Organic Chemistry I	4
☐ PSYC 101 General Psychology	3
☐ _____ Health and Physical Education Elective	1–3
☐ _____ General Education Social Science <i>or</i> Humanities Elective	3
	14–16

Spring Semester

☐ BIOL 218 Equine Capstone Practicum	3
☐ CHEM 202 Organic Chemistry II	4
☐ BIOL 203 Microbiology <i>or</i> BIOL 221 Cell and Molecular Biology ¹	4
☐ _____ General Education Lab Science Elective ¹	4
	15

TOTAL MINIMUM CREDITS: 63

Program Notes

¹ Students planning to apply to Ross University's doctoral Veterinary Medicine program should select BIOL 221 and PHYS 123 for their Science Elective. Students planning to transfer to Rowan University should select either BIOL 203 or BIOL 221 and BIOL 207 for their science elective. Students planning to transfer to Rutgers University should select BIOL 203 and PHYS 123 for their science elective. Check requirements of transfer institution for other transfer institution recommendations.

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and complete the interest form. ✦