



[AS-ESC-PVM; 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 will 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.

#### Program Contact

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✦ Are you ready to get  
started at RCSJ? ✦  
Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/Enroll)  
and complete the  
interest form. ✦

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

#### FIRST YEAR – FIRST SEMESTER

<input type="checkbox"/> BIO 101 General Biology I	4
<input type="checkbox"/> BIO 116 Animal Science	4
<input type="checkbox"/> CHM 111 General Chemistry I	4
<input type="checkbox"/> MAT 108 Calculus I	4
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#### SECOND SEMESTER

<input type="checkbox"/> ENG 101 English Composition I or ENG 101E Enhanced English Composition	3-4
<input type="checkbox"/> BIO 102 General Biology II	4
<input type="checkbox"/> BIO 115 Introduction to Equine Science	4
<input type="checkbox"/> CHM 112 General Chemistry II	4
<input type="checkbox"/> ____ Humanities elective	3
	<hr/> 18-19

#### THIRD SEMESTER

<input type="checkbox"/> ENG 102 English Composition II	3
<input type="checkbox"/> CHM 201 Organic Chemistry I	4
<input type="checkbox"/> PSY 101 General Psychology	3
<input type="checkbox"/> HPE ____ Health and Physical Education elective	1-3
<input type="checkbox"/> ____ Social Science or ____ Humanities General Education Elective	3
	<hr/> 14-16

#### FOURTH SEMESTER

<input type="checkbox"/> BIO 216 Equine Capstone Practicum	3
<input type="checkbox"/> CHM 202 Organic Chemistry II	4
<input type="checkbox"/> BIO 215 Microbiology or Cell and Molecular Biology*	4
<input type="checkbox"/> ____ Lab Science elective*	4
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**TOTAL MINIMUM CREDITS: 63**

#### Program Notes

\*Students planning to apply to Ross University's doctoral Veterinary Medicine program should select BIO 221 and PHY 103 for their Science Elective. Students planning to transfer to Rowan University should select either BIO 215 or BIO 221 and BIO 209 for their science elective. Students planning to transfer to Rutgers University should select BIO 215 and PHY 103 for their science elective.

Check requirements of transfer institution for other transfer institution recommendations.