

Rowan College of South Jersey
EQUINE SCIENCE: PRE-VETERINARY MEDICINE OPTION
Associate in Science (A.S.) – Transfer
Program Requirements

Four Semester Sequence of Courses

<u>FIRST YEAR - Fall Semester</u>	<u>Credits</u>
4 ___ BIO 101 General Biology I	
4 ___ BIO 116 Animal Science	
___ MAT ___ Mathematics Elective*	3-4
___ CHM 111 General Chemistry I	4
	15-16
<u>Spring Semester</u>	
4 ___ BIO 102 General Biology II	
4 ___ BIO 115 Introduction to Equine Science	
___ ENG 101 English Composition I	3
___ ___ Humanities or Social Science Elective	
3	
___ CHM 112 General Chemistry II	4
	18
<u>SECOND YEAR - Fall Semester</u>	
___ ENG 102 English Composition II	3
___ BIO 216 Equine Capstone Practicum	
3	
___ ___ Humanities Elective	3
___ MAT ___ Mathematics Elective*	4
___ CHM 201 Organic Chemistry I	4
	17
<u>Spring Semester</u>	
___ PHY 103 General Physics I	4
___ CHM 202 Organic Chemistry II	4
___ ___ Science Elective**	4
___ PSY 101 General Psychology	3
___ HPE ___ Health and Physical Education Elective	1-3
	16-18
<u>TOTAL MINIMUM CREDITS:</u>	66

* Students must select two math electives from the following: MAT 103, MAT 107 or MAT 108.

**Students must select BIO 215 or BIO 221 for their science elective. Check requirements of transfer institution

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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's degree candidates. Veterinary medicine doctoral programs will require students complete the GRE and work or volunteer hours in the field. Students who have completed the program will be able to:

- Successfully transfer to four-year institutions in a pre-veterinary medicine program or be accepted into a veterinary medicine doctoral program that accepts associate's degree candidates.
- Demonstrate knowledge of major concepts in animal and equine science, biology, chemistry, physics and mathematics essential for further study in veterinary medicine.

Required Core and Elective Courses

<u>Communications</u>		<u>Credits</u>
ENG 101	English Composition I	3
ENG 102	English Composition II	3
<u>Humanities</u>		
___ ___	Humanities Elective	3
___ ___	Humanities or Social Science Elective	3
<u>Social Science</u>		
PSY 101	General Psychology	3
HPE ___	Health and Physical Education Elective	1-3
<u>Mathematics</u>		
MAT ___	Mathematics Elective	3-4
MAT ___	Mathematics Elective	4
<u>Science</u>		
BIO 101	General Biology I	
4		
BIO 102	General Biology II	
4		
BIO 115	Introduction to Equine Science	
4		
BIO 116	Animal Science	
4		
BIO 216	Equine Capstone Practicum	
3		
CHM 111	General Chemistry I	4
CHM 112	General Chemistry II	4
PHY 103	General Physics I	4
CHM 201	Organic Chemistry I	4
CHM 202	Organic Chemistry II	4
___ ___	Science Elective	4
<u>TOTAL MINIMUM CREDITS:</u>		66

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