

## ANIMAL SCIENCES (067B)

### EQUINE SCIENCE OPTION CHECKLIST

Please use the following checklist to review your courses but also check on Degree Navigator to ensure all categories are “checked” off. Please contact Dr. Aparna Zama ([zama@sebs.rutgers.edu](mailto:zama@sebs.rutgers.edu); 848-932-8495) if you have any questions.

#### GENERAL CORE REQUIREMENTS

General Biology (8-10 credits)		Completed
01:119:115	General Biology I (4 cr)	<input type="checkbox"/>
01:119:116	General Biology II (4 cr)	<input type="checkbox"/>
01:119:117	Biological Research Lab (1 cr)	<input type="checkbox"/>
<b>OR</b>		
01:119:101	General Biology (4 cr)	<input type="checkbox"/>
01:119:102	General Biology (4 cr)	<input type="checkbox"/>

General Chemistry (7 credits)		Completed
01:160:161	General Chemistry I (3 cr)	<input type="checkbox"/>
01:160:162	General Chemistry II (3 cr)	<input type="checkbox"/>
01:160:171	Introduction to Experimentation (1 cr)	<input type="checkbox"/>

Proficiency in Animal Sciences (16-17 credits)		Completed
11:067:142	Animal Science (3 cr)	<input type="checkbox"/>
11:067:300	Integrative Physiology (4 cr)	<input type="checkbox"/>
<b>OR</b>		
01:146:356	Systems Physiology (3 cr)	<input type="checkbox"/>
11:067:327	Animal Reproduction (3 cr)	<input type="checkbox"/>
11:067:330	Animal Nutrition (3 cr)	<input type="checkbox"/>
11:067:331	Animal Nutrition Lab (1 cr)	<input type="checkbox"/>
11:067:328	Animal Genetics (3 cr)	<input type="checkbox"/>
<b>OR</b>		
01:447:380	Genetics (4 cr)	<input type="checkbox"/>

Experience-Based Education (9 credits)		Completed
11:067:175	Animal Handling, Fitting, and Exhibition (1 cr)	<input type="checkbox"/>
11:067:201	Dairy Cattle Practicum (2 cr)	<input type="checkbox"/>
11:067:202	Small Ruminant Practicum	<input type="checkbox"/>
11:067:203	Swine Practicum (2 cr)	<input type="checkbox"/>
11:067:205	Laboratory Animal Practicum (2 cr)	<input type="checkbox"/>
11:067:207	Horse Practicum (2 cr)	<input type="checkbox"/>
11:902:300/301	SEBS Internship I/II (3 cr)	<input type="checkbox"/>
11:067:411	Studies in Animal Science (cr varies)	<input type="checkbox"/>
11:067:493/494	Research in Animal Science (cr varies)	<input type="checkbox"/>
11:015:497/498	GH Cook Scholars Program (cr varies)	<input type="checkbox"/>

#### EQUINE SCIENCE OPTION-SPECIFIC REQUIREMENTS

Mathematics (4 credits)		Completed
01:640:111	Precalculus Pt. 1 (2 cr)	<input type="checkbox"/>
<b>AND</b>		
01:640:112	Precalculus Pt. 2 (2 cr)	<input type="checkbox"/>
<b>OR</b>		
01:640:115	Precalculus College Mathematics (4 cr)	<input type="checkbox"/>
<b>OR</b>		
01:640:135	Calculus I (4 cr)	<input type="checkbox"/>
<b>OR</b>		
01:640:151	Calculus for Mathematical and Physical Sciences (4 cr)	<input type="checkbox"/>

Equine Science Electives (6 credits)		Completed
11:067:385	Horse Management Laboratory (1 cr)	<input type="checkbox"/>
11:067:391	Comparative Mammalian Anatomy (3 cr)	<input type="checkbox"/>
11:067:395	Animal Assisted Therapy (3 cr)	<input type="checkbox"/>
11:067:398	Advanced Equine Health Care and Management (3 cr)	<input type="checkbox"/>
11:067:401	Topics in Equine Science (3 cr)	<input type="checkbox"/>
11:067:413	Developing Future Leaders for the Equine Industry (1 cr)	<input type="checkbox"/>

**EQUINE SCIENCE OPTION-SPECIFIC REQUIREMENTS CONT.**

<b>Equine Science Requirements (22 credits)</b>		<b>Completed</b>
01:160:209	Elementary Organic Chemistry (3 cr)	<input type="checkbox"/>
01:160:211	Elementary Organic Chemistry Laboratory (1 cr)	<input type="checkbox"/>
11:373:231	Introduction to Marketing (3 cr)	<input type="checkbox"/>
11:373:241	Introduction to Management (3 cr)	<input type="checkbox"/>
33:010:272	Introduction to Financial Accounting (3 cr)	<input type="checkbox"/>
11:067:384	Horse Management (3 cr)	<input type="checkbox"/>
11:067:390	Equine Nutrition (3 cr)	<input type="checkbox"/>
11:067:402	Equine Exercise Physiology (3 cr)	<input type="checkbox"/>

<b>Economics (6 credits)</b>		<b>Completed</b>
11:373:121	Principles and Applications of Microeconomics (3 cr)	<input type="checkbox"/>
<b>OR</b>		
01:220:102	Introduction to Microeconomics (3 cr)	<input type="checkbox"/>
<b>AND</b>		
11:373:122	Principles and Applications of Macroeconomics (3 cr)	<input type="checkbox"/>
<b>OR</b>		
01:220:103	Introduction to Macroeconomics (3 cr)	<input type="checkbox"/>