

**ANIMAL SCIENCES (067G)  
COMPANION ANIMAL SCIENCE OPTION  
CHECK LIST**

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**

<b>General Biology (8-10 credits)</b>		<b>Completed</b>
01:119:115	General Biology I (4 cr)	
01:119:116	General Biology II (4 cr)	
01:119:117	Biological Research Lab (1 cr)	
<b>OR</b>		
01:119:101	General Biology (4 cr)	
01:119:102	General Biology (4 cr)	
<b>Proficiency in Animal Sciences (16-17 credits)</b>		<b>Completed</b>
11:067:142	Animal Science (3 cr)	
11:067:300	Integrative Physiology (4 cr)	
<b>OR</b>		
01:146:356	Systems Physiology (3 cr)	
11:067:327	Animal Reproduction (3 cr)	
11:067:330	Animal Nutrition (3 cr)	
11:067:331	Animal Nutrition Lab (1 cr)	
11:067:328	Animal Genetics (3 cr)	
<b>OR</b>		
01:447:380	Genetics (4 cr)	

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

<b>Experience-Based Education (9 credits)</b>		<b>Completed</b>
11:067:175	Animal Handling, Fitting and Exhibition (1cr)	
11:067:201	Cattle Practicum (2 cr)	
11:067:202	Small Ruminant Practicum (2 cr)	
11:067:203	Swine Practicum (2 cr)	
11:067:205	Laboratory Animal Practicum (2 cr)	
11:067:207	Horse Practicum (2 cr)	
11:902:300/301	SEBS Internship 1/11 (3 cr)	
11:067:411	Studies in Animal Science (cr varies)	
11:067:414	Teaching in Animal Science	
11:067:415	Leadership in Animal Science	
11:067:493/494	Research in Animal Science (cr varies)	
11:015:497/498	GH Cook Scholars Program (cr varies)	

**COMPANION ANIMAL SCIENCE OPTION - SPECIFIC REQUIREMENTS**

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

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

**COMPANION ANIMAL SCIENCE OPTION REQUIREMENTS CONT.**

<b>Companion Animals Science Requirements (20 credits)</b>		<b>Completed</b>
11:067:101	Careers in Animal Science (3cr)	
11:067:250	Companion Animal Science (3 cr)	
11:067:404	Animal Diseases (3 cr)	
01:160:209	Elementary Organic Chemistry (3 cr)	
01:160:211	Elementary Organic Chemistry Laboratory (1 cr)	
11:115:301	Introductory Biochemistry (3 cr)	
11:115:313	Introductory Biochemistry Laboratory (1 cr)	
11:216:441	Animal Behavior (3 cr)	

<b>Behavior Requirement (2 courses)</b>		<b>Completed</b>
11:067:460	Animals and the Law (3 cr)	
11:067:461	Topics in Companion Animal Issues: Animals and Health (2 cr)	
11:216:240	Behavioral Biology (3 cr)	
11:216:269	Evolution of Animal Behavior (3 cr)	
01:070:204	Introduction to Social Evolution (3 cr)	
01:830:311	Learning Process (3 cr)	
01:830:313	Physiological Psychology (3 cr)	
01:830:315	Comparative Psychology (3 cr)	

<b>Companion Animal Science Electives (6 credits)</b>		<b>Completed</b>
11:067:275	Laboratory Animal Science: Management and Techniques (3 cr)	
11:067:322	Cattle Artificial Insemination (1 cr)	
11:067:336	Livestock Production and Management (3 cr)	
11:067:384	Horse Management (3 cr)	
11:067:390	Equine Nutrition (3 cr)	
11:067:391	Comparative Mammalian Anatomy (3 cr)	
11:067:395	Animal Assisted Therapy (3 cr)	
11:067:398	Advanced Equine Health Care & Management (3 cr)	
11:067:401	Topics in Equine Science (3 cr)	
11:067:402	Equine Exercise Physiology (3 cr)	
11:067:406	Farm Productivity Analysis in the Animal Sciences (3 cr)	
11:067:410	Neuroendocrinology (3 cr)	
11:067:413	Developing Future Leaders for the Equine Industry (1 cr)	
11:067:450	Endocrinology (4 cr)	
11:216:323	Ornithology (3 cr)	
11:146:325	Vertebrate Zoology (4 cr)	
<b>**Courses are subject to change as courses are added or dropped. THIS IS NOT A COMPLETE LIST!</b>		