

ANIMAL SCIENCES (067)
LABORATORY 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 ; 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)	
01:119:116	General Biology II (4 cr)	
01:119:117	Biological Research Lab (1 cr)	
OR		
01:119:101	General Biology (4 cr)	
01:119:102	General Biology (4 cr)	

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

Proficiency in Animal Sciences (16-17 credits)		Completed
11:067:142	Animal Science (3 cr)	
11:067:300	Integrative Physiology (4 cr)	
OR		
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)	
OR		
01:447:380	Genetics (4 cr)	

Experience-Based Education (9 credits)		Completed
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)	
11:067:207	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)	

LABORATORY ANIMAL SCIENCE OPTION - SPECIFIC REQUIREMENTS

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

Organic Chemistry (10 credits)		Completed
01:160:307	Organic Chemistry I (4 cr)	
01:160:308	Organic Chemistry II (4 cr)	
01:160:311	Organic Chemistry Laboratory (2 cr)	
OR		
01:160:313	Organic Chemistry Laboratory Pt. 1 (1 cr)	
AND		
01:160:314	Organic Chemistry Laboratory Pt. 2 (1 cr)	

LABORATORY ANIMAL SCIENCE OPTION REQUIREMENTS CONT.

Laboratory Animals Science Requirements (20 credits)		Completed
11:067:275	Laboratory Animal Science: Management & Techniques (3 cr)	
11:067:404	Animal Diseases (3 cr)	
11:067:430	Animal Microtechniques and Tissue Culture (4 cr)	
11:680:390	General Microbiology (4 cr)	
OR		
01:447:390	General Microbiology (4 cr)	
OR		

Animal Practicum (2 credits)		Completed
11:067:205	Laboratory Animal Practicum (2 cr)	

Economics (6 credits)		Completed
11:373:121	Principles and Applications of Microeconomics (3 cr)	
OR		
11:220:102	Introduction to Microeconomics (3 cr)	

Laboratory Animal Science Electives (6 credits)		Completed
11:067:101	Careers in Animal Science (3cr)	
11:067:322	Dairy 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)	
11:067:460	Animals and the Law (3 cr)	
11:067:490	Pathophysiology (3 cr)	
**Courses are subject to change as courses are added or dropped. THIS IS NOT A COMPLETE LIST!		