

ANIMAL SCIENCES (067P)

PRODUCTION ANIMAL 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; 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"/>
OR		
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"/>
OR		
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"/>
OR		
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 (2 cr)	<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"/>

PRODUCTION ANIMAL SCIENCE OPTION-SPECIFIC REQUIREMENTS

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

Advisor-Approved Electives (6 credits)		Completed
11:067:101	Careers in Animal Science (3 cr)	<input type="checkbox"/>
11:067:322	Dairy Cattle Artificial Insemination (1 cr)	<input type="checkbox"/>
11:067:391	Comparative Mammalian Anatomy (3 cr)	<input type="checkbox"/>
11:067:410	Neuroendocrinology (3 cr)	<input type="checkbox"/>
11:067:430	Animal Microtechniques and Tissue Culture (4 cr)	<input type="checkbox"/>
11:067:450	Endocrinology (4 cr)	<input type="checkbox"/>
11:067:460	Animals and the Law (3 cr)	<input type="checkbox"/>
11:067:490	Pathophysiology (3 cr)	<input type="checkbox"/>

PRODUCTION ANIMAL SCIENCE OPTION-SPECIFIC REQUIREMENTS CONT.

Production Animal Science Requirements (21 credits)		Completed
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"/>
11:067:336	Livestock Production and Management (3 cr)	<input type="checkbox"/>
11:067:338	Livestock Production and Management Laboratory (2 cr)	<input type="checkbox"/>
11:067:406	Farm Productivity Analysis in the Animal Sciences (3 cr)	<input type="checkbox"/>

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

Production Animal Science Electives (6 credits)		Completed
11:067:384	Horse Management (3 cr)	<input type="checkbox"/>
11:067:398	Advanced Equine Health Care and Management (3 cr)	<input type="checkbox"/>
11:067:413	Developing Future Leaders for the Equine Industry (1 cr)	<input type="checkbox"/>
11:375:453	Soil Ecology (3 cr)	<input type="checkbox"/>
11:704:360	Animal Physiological Ecology	<input type="checkbox"/>
11:776:200	Modern Crop Production (3 cr)	<input type="checkbox"/>
11:776:221	Principles of Organic Crop Production (3 cr)	<input type="checkbox"/>
11:776:301	The Grain Crops (3 cr)	<input type="checkbox"/>
11:776:440	Soil Fertility (3 cr)	<input type="checkbox"/>
11:020:210	Introduction to Agriculture and Food Systems (3 cr)	<input type="checkbox"/>