

ANIMAL SCIENCES (067G)

COMPANION 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"/> |

COMPANION ANIMAL SCIENCE OPTION-SPECIFIC REQUIREMENTS

| Mathematics (4 credits) | | Completed |
|-------------------------|--|--------------------------|
| 01:640:111 | Precalculus Pt. I (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"/> |

| 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"/> |

COMPANION ANIMAL SCIENCE OPTION-SPECIFIC REQUIREMENTS CONT.

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

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

| Companion Animal Science Electives (6 credits) | | Completed |
|--|---|--------------------------|
| 11:067:275 | Laboratory Animal Science: Management and Techniques (3 cr) | <input type="checkbox"/> |
| 11:067:322 | Dairy Cattle Artificial Insemination (1 cr) | <input type="checkbox"/> |
| 11:067:3367 | Livestock Production and Management (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"/> |
| 11:067:391 | Comparative Mammalian Anatomy (3 cr) | <input type="checkbox"/> |
| 11:067:395 | Animal Assisted Therapy (3 cr) | <input type="checkbox"/> |
| 11:067:390 | Equine Nutrition (3 cr) | <input type="checkbox"/> |
| 11:067:398 | Advanced Equine Health Care & Management (3 cr) | <input type="checkbox"/> |
| 11:067:401 | Topics in Equine Science (3 cr) | <input type="checkbox"/> |
| 11:067:402 | Equine Exercise Physiology (3 cr) | <input type="checkbox"/> |
| 11:067:403 | Techniques in Equine Exercise Physiology (3 cr) | <input type="checkbox"/> |
| 11:067:406 | Farm Productivity Analysis in the Animal Sciences (3 cr) | <input type="checkbox"/> |
| 11:067:410 | Neuroendocrinology (3 cr) | <input type="checkbox"/> |
| 11:067:413 | Developing Future Leaders for the Equine Industry (1 cr) | <input type="checkbox"/> |
| 11:067:450 | Endocrinology (4 cr) | <input type="checkbox"/> |
| 11:216:323 | Ornithology (3 cr) | <input type="checkbox"/> |
| 11:216:325 | Vertebrate Zoology (3 cr) | <input type="checkbox"/> |
| **Courses are subject to change as courses are added or dropped. THIS IS NOT A COMPLETE LIST! | | |