**Facts About Required and Elective Courses for Animal and Poultry Sciences Majors for Students Entering Fall 2021 or Later**

**\* \* \* NOTICE \* \* \***

This is a listing of required courses and elective courses chosen frequently by Animal and Poultry Sciences Majors. These are **not** the only courses that can be used as restricted electives. See the 2021-2022 checksheet for restrictions on elective courses and see the Facts About Courses spreadsheet for course prerequisites and terms offered. Timetable and catalog materials are on HOKIE SPA.

**ALL REQUIRED AND RESTRICTED ELECTIVES MUST** **BE TAKEN A-F UNLESS OFFERED P/F ONLY**

**NOTE: The terms courses are offered and prerequisites may change. Consult the Timetable during Course Registration to check the availability of courses.**

**Pathways to General Education**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course & No. | Credits | Title | Semester Taught | Prerequisite |
| ENGL 1105 | 3 | First-Year Writing | F, S, Su1, Su2 |  |
| ENGL 1106 | 3 | First-Year Writing | F, S, Su1, Su2 | ENGL 1105 |
| APSC 4004 | 3 | Contemporary Issues in APSC | F, S | APSC 2004 |
| AAEC 10051 | 3 | Econ Food Fiber Sys | F, S, Su2 |  |
| AAEC 10061 | 3 | Econ Food Fiber Syst | F, S |  |
| ECON 20051 | 3 | Principles of Economics | F, W, S, Su1, Su2 |  |
| ECON 20061 | 3 | Principles of Economics | F, W, S, Su1, Su2 | ECON 2005 |
| BIOL 1105 | 3 | Principles of Biology | F, W, Su1 |  |
| BIOL 1106 | 3 | Principles of Biology | W, S, Su2 |  |
| MATH 10142 | 3 | Precalc with Transcendental | F, S, Su1 |  |
| MATH 10252 | 3 | Elementary Calculus | F, S, Su1, Su2 |  |
| STAT 2004 | 3 | Introductory Statistics | F, S, Su2 | MATH 1014 or MATH 1025 or MATH 1225 or MATH 1524 or MATH 1525 |
| ALS 3104 | 3 | Animal Breeding and Genetics | F, S | BIOL 1105, (STAT 2004 or STAT 3005 or STAT 3615), (APSC 1454 or DASC 2474 or DASC 2484) |

The above list is for courses required by the APSC major that also count toward Pathways (*please consult the APSC checksheet for further details).* Please remember to choose from the approved list for Pathways 2, 6, and 7. Pathways 7 courses may double count.

1Take AAEC 1005, AAEC 1006, **OR** ECON 2005-2006

2Take MATH 1014 **OR** MATH 1025

**Degree Core**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course & No. | Credits | Title | Semester Taught | Prerequisite |
| BIOL 1115 | 1 | Principles of Biol Lab | F, Su1 | Co: BIOL 1105 |
| BIOL 1116 | 1 | Principles of Biol Lab | S, Su2 | Co: BIOL 1106 |
| CHEM 1035 | 3 | General Chemistry | F, W, S, Su1, Su2 | Placement or CHEM 1014 or MATH 1014 or MATH 1025 or MATH 1536 or MATH 1225 |
| CHEM 1036 | 3 | General Chemistry | F, S, Su1, Su2 | CHEM 1035 or CHEM 1055 or CHEM 1055H |
| CHEM 1045 | 1 | General Chemistry Laboratory | F, S, Su1, Su2 | Placement or CHEM 1014 or MATH 1014 or MATH 1025 or MATH 1536 or MATH 1225 |
| CHEM 1046 | 1 | General Chemistry Laboratory | S, Su1, Su2 | Co: CHEM 1036 |
| APSC 1454 | 3 | Intro Animal & Poultry Science | F, S | Co: APSC 1464 |
| APSC 1464 | 1 | Animal & Poultry Science Lab | F, S | Co: APSC 1454 |
| APSC 1504 | 1 | APSC First-Year Experience | F |  |
| APSC 2004 | 1 | Animal & Poultry Sci Seminar | S | APSC 1504 |
| ALS 2304 | 4 | Animal Physiology and Anatomy | F, S | BIOL 1106 |
| ALS 3204 | 3 | Animal Nutrition and Feeding | F, S | ALS 2304, (CHEM 1036 or CHEM 1036H or CHEM 1016) |
| ALS 3304 | 3 | Physiology of Reproduction | F, Su1 | ALS 2304 |
| *APSC 32541* | *3* | *Animal Products* | *N/A* | *Not currently taught* |
| APSC 34341 | 3 | Host Microbe Interactions | F | ALS 2304 |
| BIOL 26041 | 3 | General Microbiology | F, W, S, Su1 | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (CHEM 1036 or CHEM 1056 or CHEM 1036H or CHEM 1056H or ISC 2105) |
| APSC 4954 | 2 | APSC Capstone Experience | F | APSC 2004; >75 credits |
| AAEC 21042 | 3 | Personal Financial Planning | F, S, Su1, Su2 |  |
| AAEC 24342 | 3 | Foundations of Agribusiness | F, S | AAEC 1005 |
| MGT 33042 | 3 | Mgt Th & Lead Pract | F, S, Su1 |  |

1Choose one of APSC 3254, APSC 3434, **OR** BIOL 2604

2Choose one of AAEC 2104, AAEC 2434, **OR** MGT 3304

**\*\*\*Bolded courses are option/emphasis courses\*\*\***

**Agricultural/Applied Electives**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course & No. | Credits | Title | Semester Taught | Prerequisite |
| ALCE 3004 | 3 | Educ Programs Ag & Life Sci | S |  |
| ALCE 3624 | 3 | Comm Ag & Life Sci in Writing | F, S | ENGL 1106 |
| ALCE 3634 | 3 | Comm Ag & Life Sci in Speaking | S | ENGL 1106 |
| ALCE 4014 | 3 | Intro to Cooperative Extension | F |  |
| ALCE 4034 | 3 | Meth of Planning Ed Prog in Ag | F | ALCE 3004 |
| ALCE 4244 | 3 | Teach & Train Meth Ag Life Sci | S |  |
| ALCE 4304 | 3 | Community Edu & Development | F |  |
| ALCE 4884 | 3 | Youth Program Management | F |  |
| ALS 2504 | 3 | Animals in Society | F |  |
| ALS 2604 | 3 | Intro to Research Practices | S |  |
| ALS 3404 | 3 | Ecological Agriculture | F |  |
| APSC 1524 | 1 | Beginning Equitation | F |  |
| **APSC 2104** | **1** | **Poultry Laboratory** | **S** | **APSC 1454, APSC 1464**  **Co: ALS 2304** |
| **APSC 2114** | **1** | **Livestock Mgt and Handling** | **S** | **APSC 1454, APSC 1464** |
| **APSC 2124** | **1** | **Horse Management Laboratory** | **F** | **APSC 1454, APSC 1464** |
| **APSC 2164** | **1** | **Comp/Lab Anim Care & Handling** | **F, S** | **APSC 1454, APSC 1464** |
| **APSC 2424** | **3** | **Introduction Equine Industry** | **S** |  |
| APSC 2524 | 1 | Intermediate Equitation | F, S | APSC 1624 |
| APSC 2624 | 1 | Beginning Jumping | F, S | APSC 2524 |
| APSC 2984 | 3 | SS: Poultry Science & Health | F |  |
| APSC 3134 | 3 | Animal Ag and the Environment | S |  |
| **APSC 3214** | **3** | **Principles of Meat Science** | **F** | **ALS 2304, CHEM 1036** |
| **APSC 3224** | **1** | **Meat Science Laboratory** | **F** | **Co: APSC 3214** |
| APSC 3334 | 3 | Animal Welfare and Bioethics | S | APSC 1454, ALS 2304 |
| APSC 3434 | 3 | Host Microbe Interactions | F | ALS 2304 |
| APSC 3524 | 1 | Intermediate Jumping | F, S | APSC 2624 |
| APSC 3624 | 1 | Advanced Jumping | F, S | APSC 3524 |
| APSC 3754 | 2 | Livestock Evaluation | F | APSC 1454 |
| APSC 3824 | 2 | Equine Behavior and Training | F | APSC 2124 |
| APSC 4204 | 3 | Adv Equine Nutr & Feeding | S | ALS 3204 |
| **APSC 4404** | **4** | **Poultry Enterprise Management** | **F** | **APSC 2104, ALS 3104, ALS 3204, ALS 3304** |
| **APSC 4414** | **4** | **Beef and Sheep Production** | **F** | **APSC 2114, ALS 3104, ALS 3204, ALS 3304** |
| **APSC 4424** | **4** | **Horse Production & Management** | **S** | **APSC 2124, APSC 2424, ALS 3104, ALS 3204, ALS 3304** |
| **APSC 4444** | **3** | **Swine Production** | **S** | **APSC 2114, ALS 3104, ALS 3204, ALS 3304** |
| **APSC 4464** | **4** | **Comp/Lab Anim Health & Mgt** | **S** | **APSC 2164, APSC 3064, ALS 3104, ALS 3204, ALS 3304** |
| APSC 4984 | 2 | SS: Beef Cattle Repro Mgt | F |  |
| CSES 2244 | 3 | Ag Global Food Sec and Health | F |  |
| CSES 2434 | 2 | Crop Evaluation | S |  |
| CSES 2444 | 3 | Agronomic Crops | F |  |
| CSES 4144 | 3 | Plant Breeding and Genetics | S |  |
| CSES 4344 | 3 | Crop Physiology and Ecology | S |  |
| DASC 2204 | 3 | Entrepreneurship in Animal Ag | F | AAEC 1005 |
| DASC 2474 | 3 | Dairy Science and Industry | S |  |
| DASC 2484 | 2 | Dairy Cattle Evaluation | S |  |
| DASC 2664 | 1 | Prof Discourse and Career Dev | F |  |
| DASC 3134 | 3 | Animal Ag and the Environment | S |  |
| DASC 3274 | 3 | Applied Dairy Cattle Nutrition | F | Co: ALS 3204 |
| DASC 3474 | 3 | Dairy Information Systems | F | DASC 2474 |
| DASC 4174 | 3 | Applied Dairy Cattle Genetics | S | ALS 3104 |
| DASC 4274 | 1 | Dairy Ration Formulation | F | Co: DASC 3274 |
| DASC 4474 | 2 | Advanced Dairy Management Eval | S | DASC 3474, ALS 3204, ALS 3304 |
| DASC 4475 | 3 | Dairy Enterprise Management | S | DASC 2474 |
| DASC 4476 | 3 | Dairy Enterprise Management | F | (DASC 4475 or AAEC 3454), DASC 3474 |
| DASC 4664 | 1 | Translating Dairy Science | F, S | DASC 2664 |
| ENT 2004 | 3 | Insects and Human Society | F, S |  |
| ENT 2254 | 2 | Bees and Beekeeping | S |  |
| ENT 2264 | 1 | Bees and Beekeeping Laboratory | S | Co: ENT 2254 |
| ENT 2804 | 3 | Bees: Biol, Diversity, Sustain | F |  |
| ENT 3254 | 3 | Med & Vet Entomology | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H) |
| ENT 3264 | 1 | Med & Vet Entomology Lab | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H); Co: ENT 3254 |
| ENT 4254 | 3 | Insect Pest Management | S |  |
| ENT 4264 | 3 | Pesticide Usage | F |  |
| ENT 4354 | 4 | Aquatic Entomology | S | (BIOL 1005, BIOL 1006, BIOL 1015, BIOL 1016) or (BIOL 1105, BIOL 1106, BIOL 1115, BIOL 1116) |
| ENGL 3104 | 3 | Professional Writing | F, S | ENGL 1106 or ENGL 1204H or COMM 1016 |
| FIW 2114 | 3 | Prin Fish and Wildl | F, S, Su2 |  |
| FIW 2234 | 3 | Fish, Fishing, & Conservation | F |  |
| FIW 2314 | 3 | Wildlife Biology | S | (BIOL 1105 or BIOL 1205H), (BIOL 1106 or BIOL 1206H) |
| FIW 2324 | 3 | Wildlife Field Biology | F, S |  |
| FIW 2514 | 3 | Fish Wildlife Conserv Policy | S, Su1 |  |
| FIW 4114 | 3 | Biodiversity Conservation | S | FIW 2114 |
| FIW 4414 | 3 | Pop Dynamics & Estimation | F | FIW 2114 |
| FIW 4434 | 3 | Wildl Hab Ecol & Mgmt | S | FIW 2114 |
| FIW 4454 | 3 | Human-Wildlife Conflicts | S |  |
| FIW 4624 | 3 | Marine Ecology | S |  |
| FST 2014 | 2 | Introduction to Food Science | F, S |  |
| FST 2024 | 3 | Raw to Burnt: Exploring Foods | F |  |
| FST 2044 | 3 | Food, War and Conflict | S |  |
| FST 2544 | 3 | Functional Foods for Health | F |  |
| FST 3114 | 3 | Wines and Vines | S |  |
| FST 3124 | 3 | Brewing Science and Technology | F |  |
| GEOG 4054 | 3 | Geography of Wine | S, Su2 |  |
| GEOG 4074 | 3 | Medical Geography | F |  |
| HNFE 1004 | 3 | Foods, Nutrition And Exercise | F, S, Su1, Su2 |  |
| HNFE 2104 | 3 | Moving Body, Moving Mind | F, S |  |
| **HNFE 2204** | **3** | **Medical Terminology** | **W, S, Su2** | **(BIOL 1005 or BIOL 1105 or BIOL 1205H), (BIOL 1006 or BIOL 1106 or BIOL 1206H) or (ISC 2106 or ISC 2106H)** |
| HORT 2144 | 3 | Indoor Plants | F, W, S, Su1 |  |
| HORT 2164 | 3 | Floral Design | F, S |  |
| HORT 2304 | 3 | Plant Biology | F, S | BIOL 1105, BIOL 1106 |
| HORT 3114 | 3 | Wines and Vines | S |  |
| HORT 4794 | 3 | Medicinal Plants and Herbs | F | BIOL 1005 or BIOL 1105 |
| PHS 2004 | 3 | Introduction to Public Health | F, W, S, Su1, Su2 |  |
| PHS 3534 | 3 | Drug Education | F, W, S, Su1, Su2 |  |

**Business Electives**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course & No. | Credits | Title | Semester Taught | Prerequisite |
| AAEC 3004 | 3 | Agr Prod & Cons Econ | F, S | (AAEC 1005 or ECON 2005), (MATH 1025 or MATH 1225) |
| AAEC 3204 | 3 | Intl Agri Dvlp & Trad | F, S | AAEC 1005 or ECON 2005 |
| AAEC 3314 | 3 | Environmental Law | F, S |  |
| AAEC 3454 | 3 | Small Bus Mgt and Ent | F, S | AAEC 2434 or ACIS 2115 or MGT 2064 |
| AAEC 3504 | 3 | Marketing Ag Products | F | AAEC 1005, AAEC 1006 |
| AAEC 3514 | 3 | Ag Futures | F | AAEC 1005, AAEC 1006, AAEC 2434 |
| AAEC 3604 | 3 | Agricultural Law | S |  |
| AAEC 4204 | 3 | Food and Agricultural Policy | S | AAEC 1005, AAEC 1006 |
| AAEC 4424 | 3 | Ag Financial Management | F | AAEC 1005, AAEC 2434, (FIN 3104 or AAEC 3424) |
| AAEC 4514 | 3 | Adv Agribus Mkting | F | AAEC 2434, AAEC 3504 |
| AHRM 2404 | 3 | Consumer Rights | F, S |  |
| APSC 3764 | 2 | Livestock Merchandising | F |  |
| APSC 4554 | 3 | Adv Livestock Enterprise Mgmt | S | AAEC 3404, AAEC 3454, (APSC 4414 or APSC 4444) |
| CMST 2134 | 3 | Intro to Health Communication | F, W, Su2 |  |
| COMM 2004 | 3 | Public Speaking | F, W, S, Su1, Su2 |  |
| ECON 3134 | 3 | Choice and Behavior | S | ECON 2005 |
| ECON 3214 | 3 | Money and Banking | F, S | (ECON 2005 or ECON 2025H), ECON 2006 |
| ENGL 3774 | 3 | Business Writing | F, W, S |  |
| FIN 3104 | 3 | Introduction to Finance | F, S, Su1 | ACIS 2115, (ECON 2005 or ECON 2025H), (BIT 2405 or CMBA 2005 or STAT 3005 or STAT 3604 or STAT 3615/3616 or STAT 4604 STAT 4705/4706 or STAT 4714) |
| IS 2034 | 3 | Geography of Global Conflict | F, S |  |
| IS 2044 | 3 | Food, War and Conflict | S |  |
| IS 2054 | 3 | Introduction to World Politics | F, S, Su1, Su2 |  |
| LDRS 2014 | 3 | Principles of Peer Leadership | F, S |  |
| MGT 2064 | 3 | Foundations Entrepreneurship | F, S, Su1 |  |
| MGT 2114 | 3 | Principles of Project Mgt | F, S | MGT 1064 or MGT 1104 |
| MKTG 3134 | 3 | Pers Well Being & Prof Succ | F, S |  |
| PR 2044 | 3 | Principles of Public Relations | F, S |  |

**Science Electives**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course & No. | Credits | Title | Semester Taught | Prerequisite |
| ALS 2404 | 3 | Biotech in Global Soc | S | (BIOL 1015, BIOL 1016) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H), (CHEM 1015, CHEM 1016) |
| ALS 4554 | 3 | Neurochemical Regulation | S | (ALS 2304 or BIOL 3404), CHEM 2535 |
| ALS 4574 | 3 | Social Behav Birds & Mammals | S | (ALS 3104 or BIOL 2004), BIOL 1106 |
| **APSC 3064** | **3** | **Comp/Lab Animal Science** | **F** | **ALS 2304** |
| APSC 4054 | 3 | Genomics | F | BCHM 3114 or BCHM 4116 or BIOL 3774 |
| APSC 4224 | 3 | Equine Exercise Physiology | F | ALS 2304, APSC 2124 |
| APSC 4304 | 2 | Bovine Reproduction Practices | F | ALS 2304 |
| DASC 4304 | 2 | Bovine Reproduction Practices | F | ALS 2304 |
| APSC 4514 | 3 | Animal Growth and Development | S | ALS 2304, ALS 3204 |
| APSC 4994 | 1 to 19 | Undergraduate Research | F, S, Su1, Su2 |  |
| **BCHM 2024** | **3** | **Concepts of Biochemistry** | **F, S, Su2** | **CHEM 2514 or CHEM 2535** |
| **BCHM 3114** | **3** | **Biochem for Biotech** | **F, S, Su1** | **CHEM 2536 or CHEM 2566** |
| **BCHM 4115** | **4** | **General Biochemistry** | **F, Su1** | **(CHEM 2536 or CHEM 2566), (BCHM 2114 or CHEM 2154)** |
| BIOL 2004 | 3 | Genetics | F, S, Su1 | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H), (CHEM 1036 or CHEM 1056 or CHEM 1036H or CHEM 1056H or CHEM 1016 or ISC 2105) |
| BIOL 2504 | 3 | General Zoology | S | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H) |
| BIOL 2614 | 2 | General Microbiology Lab | F, S, Su1 | (BIOL 1005 or BIOL 1105 or ISC 2105), (BIOL 1006 or BIOL 1106), (CHEM 1036 or CHEM 1056 or CHEM 1036H or CHEM 1056H or ISC 2105); Co: BIOL 2604 |
| BIOL 2704 | 3 | Evolutionary Biology | F, W, S, Su1 | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H) |
| BIOL 2804 | 3 | Ecology | F, S, Su2 | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H) |
| BIOL 3254 | 3 | Med & Vet Entomology | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H) |
| BIOL 3264 | 1 | Med & Vet Entomology Lab | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H); Co: BIOL 3254 |
| BIOL 3454 | 4 | Introductory Parasitology | F | (BIOL 1005 or BIOL 1105 or BIOL 1205H or ISC 2105), (BIOL 1006 or BIOL 1106 or BIOL 1206H) |
| BIOL 3604 | 4 | Food Microbiology | S | BIOL 2604, BIOL 2614 |
| BIOL 3774 | 3 | Molecular Biology | F | BIOL 2134 or ALS 3104 |
| BIOL 4474 | 3 | Ethology | S | BIOL 2504 |
| BIOL 4574 | 3 | Social Behav Birds & Mammals | S | BIOL 1106, (ALS 3104 or BIOL 2004) |
| BIOL 4664 | 3 | Virology | F | BIOL 2164, (BIOL 2604 or BIOL 2604H), BIOL 2614 |
| BIOL 4734 | 3 | Inflammation Biology | F | BIOL 2134 |
| BIOL 4874 | 3 | Cancer Biology | F, S | BIOL 2134 |
| **CHEM 2535** | **3** | **Organic Chemistry** | **F, W, S, Su1** | **CHEM 1036 or CHEM 1056 or CHEM 1056H or ISC 1106 or ISC 1106H** |
| **CHEM 2536** | **3** | **Organic Chemistry** | **F, S, Su2** | **CHEM 2535 or CHEM 2565 or CHEM 2565H** |
| **CHEM 2545** | **1** | **Organic Chemistry Laboratory** | **F, Su1** | **CHEM 1046 or CHEM 1066 or ISC 1116; Co: CHEM 2535, CHEM 2565** |
| **CHEM 2546** | **1** | **Organic Chemistry Laboratory** | **S, Su2** | **CHEM 2545; Co: CHEM 2536** |
| CHEM 4554 | 3 | Drug Chemistry | S, Su1 | CHEM 2536 or CHEM 2566 |
| DASC 4374 | 3 | Physiology of Lactation | S | ALS 2304 |
| ENT 3254 | 3 | Med & Vet Entomology | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H) |
| ENT 3264 | 1 | Med & Vet Entomology Lab | S | (BIOL 1005, BIOL 1006) or (BIOL 1105, BIOL 1106) or (BIOL 1205H, BIOL 1206H); Co: ENT 3254 |
| ENGL 3764 | 3 | Technical Writing | F, W, S, Su1 | ENGL 1106 or ENGL 1204H or COMM 1016 |
| FST 4504 | 3 | Food Chemistry | F | BCHM 2024 |
| MATH 1026 | 3 | Elementary Calculus | F, S, Su2 | MATH 1025 or MATH 1225 |
| NEUR 2025 | 3 | Introduction to Neuroscience | F, S, Su1 | BIOL 1005 or BIOL 1105 or ISC 1106H |
| NEUR 2026 | 3 | Introduction to Neuroscience | F, S | NEUR 2025 |
| NEUR 3044 | 3 | Cell Molecular Neuroscience | F, S | NEUR 2026, (CHEM 1036 or ISC 2105) |
| NEUR 4044 | 3 | TS: Rhythms of the Brain | F, S | NEUR 3044 or NEUR 3084 |
| **PHYS 2205** | **3** | **General Physics** | **F, W, S, Su1** | **MATH 1016 or MATH 1016H or MATH 1025 or MATH 2015 or MATH 1026 or MATH 1205 or MATH 1205H or MATH 1525 or MATH 1535 or MATH 1225 or MATH 1225H** |
| **PHYS 2206** | **3** | **General Physics** | **F, W, S, Su1, Su2** | **PHYS 2305 or PHYS 2205** |
| **PHYS 2215** | **1** | **General Physics Laboratory** | **F, W, S, Su1** | **PHYS 2205** |
| **PHYS 2216** | **1** | **General Physics Laboratory** | **F, W, S, Su1, Su2** | **PHYS 2215 or PHYS 2305; Co: PHYS 2206** |
| PSYC 2074 | 3 | Animal Behavior | F, W | PSYC 2004 or PSYC 1004 |
| STAT 3005 | 3 | Statistical Methods | F, S, Su1 | MATH 1205 or MATH 1225 |
| STAT 3006 | 3 | Statistical Methods | F, S | STAT 3005 or STAT 4705 or CMDA 2005 |
| STAT 3615 | 3 | Biological Statistics | F, S, Su2 | MATH 1205 or MATH 1525 or MATH 1225 or MATH 1025 or MATH 1524 or ISC 1105 |
| STAT 3616 | 3 | Biological Statistics | F, S | STAT 3615 |