



## COLLEGE OF AGRICULTURAL & LIFE SCIENCE

# Entomology & Nematology: Pre-Professional

Bachelor of Science with Innovation Minor

*Suggested Schedule\**

| FIRST YEAR                                                                                         |              |                                                                                              |              |
|----------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------|--------------|
| Semester 1 (Spring)                                                                                |              | Semester 2 (Summer)                                                                          |              |
| BSC 2010 and 2010L Integrated Principles of Biology 1 and Laboratory (State Core GE-B)             | 4            | BSC 2011 and 2011L Integrated Principles of Biology 2 and Laboratory (GE-B)                  | 4            |
| ENC 1101 or ENC 2210 or ENC 3254 or Statewide Core C Course (State Core GE-C, WR, 6000)            | 3            | STA 2023 Intro to Statistics 1 (GE-M)                                                        | 3            |
| MAC 2311 Anal. Geometry & Calculus (State Core GE-M)                                               | 4            | IDS 1359 Innovation in Action                                                                | 2            |
| Humanities and International (State Core GE-H/N)                                                   | 3            | ECO 2013 Macroeconomics (State Core GE-S)                                                    | 4            |
| IDS 1940 Creativity & Design Thinking for Innovation                                               | 2            | Social/Behavioral Sciences and Diversity (GE-S)                                              | 3            |
| <b>TOTAL</b>                                                                                       | <b>16</b>    | <b>TOTAL</b>                                                                                 | <b>16</b>    |
| SECOND YEAR                                                                                        |              |                                                                                              |              |
| Semester 3 (Spring)                                                                                |              | Semester 4 (Summer)                                                                          |              |
| AEC 3033C Research & Business Writing in Agricultural and Life Sciences (WR, 6000)                 | 3            | AEC 3030C Effective Oral Communication or SPC 2608 Public Speaking                           | 4            |
| CHM 2045 & CHM 2045L General Chemistry and Lab (GE-P)                                              | 4            | CHM 2046 & 2046L General Chemistry 2 (3) & Lab (1)                                           | 3            |
| ENY 3005 & 3005L Principles of Entomology (2) & Lab (1)                                            | 3            | AGR 3303 Genetics                                                                            | 3            |
| ENT 3003 Principles of Entrepreneurship                                                            | 4            | Composition (GE-C, WR 6000)                                                                  | 3            |
| <b>TOTAL</b>                                                                                       | <b>14</b>    | AEC 3410 Fostering Innovation through Leadership                                             | 3            |
|                                                                                                    |              | <b>TOTAL</b>                                                                                 | <b>16</b>    |
| THIRD YEAR                                                                                         |              |                                                                                              |              |
| Semester 5 (Spring)                                                                                |              | Semester 6 (Summer)                                                                          |              |
| PHY2053 & 2053L Physics 1 (4) and Lab (1) (GE-P)                                                   | 5            | PHY 2054 & 2054L Physics 2 (4) & Lab (1)                                                     | 5            |
| Approved elective                                                                                  | 3            | CHM 2211 & 2211L Organic Chemistry 2 (3) & Lab (2)                                           | 5            |
| CHM2210 Organic Chemistry 1                                                                        | 3            | MCB3020 & 3020L Basic Biology of Microorganisms (3) & Lab (1)                                | 4            |
| PHI 2631 Ethics and Innovation (GE-H, 2K WR)                                                       | 3            | <b>TOTAL</b>                                                                                 | <b>15</b>    |
| <b>TOTAL</b>                                                                                       | <b>14</b>    |                                                                                              |              |
| FOURTH YEAR                                                                                        |              |                                                                                              |              |
| Semester 7 (Spring)                                                                                |              | Semester 8 (Summer)                                                                          |              |
| ENY 4453 Behavioral Ecology and Systematics (3) or PCB 4043C General Ecology (4)                   | 3-4          | ENY 4660 and 4660L Medical and Veterinary Entomology (2) and Laboratory (1)                  | 3            |
| BCH3025 Fundamentals of Biochemistry or BCH4024 Introduction to Biochemistry and Molecular Biology | 4            | ENY 4573 Beekeeping (3) or ENY4455C Social Insects (3) or ZOO 2203C Invertebrate Zoology (4) | 3-4          |
| Approved Electives                                                                                 | 2            | Approved Elective                                                                            | 6            |
| Vertebrate Elective (4)                                                                            | 4            | ENT 4015 The Venture Accelerator or IDS 4950 IA Senior Project                               | 2            |
| ENY 4161 Insect Classification                                                                     | 3            | <b>TOTAL</b>                                                                                 | <b>14-15</b> |
| <b>TOTAL</b>                                                                                       | <b>16-17</b> |                                                                                              |              |

**TOTAL CREDITS TO DEGREE = 120-122**

\* For Detailed tracking and degree requirements please refer to the [UF catalog](#).

**Last Updated November 2024.**