



COLLEGE OF AGRICULTURAL AND LIFE SCIENCES

Plant Science

Bachelor of Science with Innovation Minor

Suggested Schedule*

| FIRST YEAR | | | |
|--|--------------|--|-----------|
| Semester 1 (Spring) | | Semester 2 (Summer) | |
| BSC 2010 & BSC 2010L Principles of Biology I and Lab (GE-B) | 4 | BSC 2011 & BSC 2011L Principles of Biology 2 and Lab (GE-B) | 4 |
| MAC 1147 Precalculus Algebra and Trigonometry (GE-M) | 4 | ENC 2210 Composition (GE-C, WR 6000) | 3 |
| ENC 1101 State Core Composition (GE-C, WR 6000) | 3 | Elective Writing Requirement (6,000 words) + Humanities (GE-H) | 3 |
| Elective | 3 | CHM 2045/L General Chemistry 1 & Lab (GE-P) | 4 |
| IDS 1940 Creativity & Design Thinking for Innovation | 2 | IDS 1359 Innovation in Action | 2 |
| TOTAL | 16 | TOTAL | 16 |
| SECOND YEAR | | | |
| Semester 3 (Spring) | | Semester 4 (Summer) | |
| PLS 3004C Principles of Plant Science | 3 | STA 2023 Statistics (GE-M) | 3 |
| Approved Elective: Natural/Agroecosystems | 3-4 | ECO 2013 Principles of Macroeconomics (GE-S/CALS) | 4 |
| Elective Writing Requirement (4,000 words) + International (N) | 3 | State Core Humanities with Diversity (GE-H-D) | 3 |
| ENT 3003 Principles of Entrepreneurship | 4 | Elective + Social/Behavioral Sciences (GE-S) | 3 |
| | | AEC 3410 Fostering Innovation Through Leadership | 3 |
| TOTAL | 13-14 | TOTAL | 16 |
| THIRD YEAR | | | |
| Semester 5 (Spring) | | Semester 6 (Summer) | |
| PLS 3223 + L Plant Propagation | 3 | ORH 3513C Plant Identification | 3 |
| Approved Elective: Plant Pests and Disease | 3 | Approved Elective: Plant Pests and Disease (Recommend ENY 3005 +Lab, Principles of Entomology) | 3 |
| HOS 4918 Capstone Preparation | 1 | SWS 3022 & L Intro to Soils | 4 |
| Approved Elective: Plant Production Systems | 3-4 | PLS 4941 Practical Work Experience | 3 |
| BCH 3023 Elementary Organic & Bio Chemistry | 3 | | |
| PHI 3641 Ethics and Innovation (GE-H, 2000 words) | 3 | | |
| TOTAL | 16-17 | TOTAL | 13 |
| FOURTH YEAR | | | |
| Semester 7 (Spring) | | Semester 8 (Summer) | |
| HOS 3430C or ORH 4256 Crop Nutrition | 3 | AEC3030C Effective Oral Communication (CALS) | 3 |
| AGR 4512 Plant Physiology | 3 | Approved Elective: Plant Production Systems (Recommend PLS 3421C Hydroponic Systems) | 3 |
| PLS 4950 Plant Science Capstone | 3 | AGR 3303 Genetics | 3 |
| Approved Electives: Lab skills/Information Skills (Choose any 6 credits from Approved Electives below) | 6 | Elective | 4 |
| | | ENT4015 The Venture Accelerator or IDS4950 IA Senior Project | 2 |
| TOTAL | 15 | TOTAL | 15 |

TOTAL CREDITS TO DEGREE = 120

Last Updated March 2024

** For Detailed tracking and degree requirements please refer to the UF catalog.*

**See second page for approved electives.*



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Approved Electives

APPROVED ELECTIVES: Natural Systems and Agroecosystems

Choose One

| | | |
|----------|---------------------------------------|---|
| AGR 4212 | Alternative Cropping Systems | 3 |
| ALS 3153 | Agricultural Ecology | 3 |
| EVR 3323 | Introduction to Ecosystem Restoration | 4 |

APPROVED ELECTIVES: Plant Pests and Disease

Choose One

| | | |
|--------------|---|---|
| ENY 3005 + L | Principles of Entomology + Lab (Offered Summer) | 3 |
| IPM 3022 | Fundamentals of Pest Management (Offered Spring) | 3 |
| PLP 3230 | Survey of Plant Pathogens (Offered Spring) | 3 |
| WDS 4001 | Organic Weed Management (Offered Spring) (Note prereq: HOS 3020C or ALS 3153) | 3 |

APPROVED ELECTIVES: Plant Production Systems

Choose One

| | | |
|--------------|---|---|
| AGR 4212 | Alternative Cropping Systems | 3 |
| AGR 4214C | Applied Field Crop Production | 3 |
| AGR 4231C | Forage Science and Range Management | 4 |
| ORH 3815C | Florida Native Landscaping | 4 |
| ORH 4223 | Golf and Sports Turf Management | 2 |
| ORH 4236C | Ornamental Landscape Management | 3 |
| ORH 4242C | Arboriculture | 4 |
| ORH 4280 | Orchidology | 3 |
| ORH 4804 + L | Annual and Perennial Gardening | 3 |
| HOS 3222C | Greenhouse and Protected Agriculture | 3 |
| HOS 3513C | Breeding and Production of Medicinal Plants and Herbs | 2 |

APPROVED ELECTIVES: Lab Skills and Information Skills

Choose Two

| | | |
|-----------|---|---|
| AOM 4434 | Precision Agriculture | 3 |
| BOT 3503L | Physiology and Molecular Biology of Plants Laboratory | 2 |
| ENY 2890 | Using Insect Research to Understand the Nature of Scientific Engagement (CURE course) | 3 |
| HOS 4241C | Genetics and Breeding of Vegetable Crops | 3 |
| HOS 4313C | Laboratory Methods in Plant Molecular Biology | 2 |
| SWS 4720C | GIS in Soil and Water Science | 3 |