



**COLLEGE OF AGRICULTURAL AND LIFE SCIENCES**

**Plant Science**

**Bachelor of Science with Innovation Minor**

**Suggested Schedule\***

<b>FIRST YEAR</b>			
<b>Semester 1 (Spring)</b>		<b>Semester 2 (Summer)</b>	
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
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
<b>SECOND YEAR</b>			
<b>Semester 3 (Spring)</b>		<b>Semester 4 (Summer)</b>	
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)	3
ENT 3003 Principles of Entrepreneurship	4	Elective + Social/Behavioral Sciences (GE-S)	3
		AEC 3410 Fostering Innovation Through Leadership	3
<b>TOTAL</b>	<b>13-14</b>	<b>TOTAL</b>	<b>16</b>
<b>THIRD YEAR</b>			
<b>Semester 5 (Spring)</b>		<b>Semester 6 (Summer)</b>	
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		
<b>TOTAL</b>	<b>16-17</b>	<b>TOTAL</b>	<b>13</b>
<b>FOURTH YEAR</b>			
<b>Semester 7 (Spring)</b>		<b>Semester 8 (Summer)</b>	
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
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>

**TOTAL CREDITS TO DEGREE = 120**

*Last Updated November 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 Two**

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 Two**

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