



COLLEGE OF  
**AGRICULTURE  
+ FOOD SCIENCES**

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

## Plant and Soil Sciences Program Requirements

(A Major in the B.S. Degree in Agricultural Sciences)

### FRESHMAN YEAR (30 Credits)

<b>ENC 1101</b> Freshman Comm. Skills I	3
<b>AGG 2004</b> Intro to Agricultural Sciences	1
<b>African American History</b> (AMH 2091, AFA 3104, or AFA 2000)	3
<b>BSC 1010</b> General Biology I	3
<b>BSC 1010L</b> General Biology I Lab	1
<b>MAC 1105</b> College Algebra	3
<b>Total</b>	<b>14</b>

<b>ENC 1102</b> Freshman Comm. Skills II	3
<b>Humanities Gen. Ed. Core Requirement</b>	3
<b>Civics Requirement</b> (AMH 2010, AMH 2020, or POS 2041)	3
<b>BSC 1011</b> General Biology II	2
<b>BSC 1011L</b> General Biology I Lab	2
<b>MAC 1114</b> Alg. & Trig. Functions	3
<b>Total</b>	<b>16</b>

### SOPHOMORE YEAR (28 Credits)

<b>CHM 1045</b> General Chemistry I	3
<b>CHM 1045</b> General Chemistry I Lab	1
<b>PHY 2053</b> College Physics	3
<b>PHY 2053L</b> College Physics Laboratory	1
<b>Humanities Gen. Ed. Elective</b>	3
<b>ECO 2013</b> Principles of Economics I	3
<b>Total</b>	<b>14</b>

<b>SWS 2007</b> The World of Water	3
<b>CHM 1046</b> General Chemistry II	3
<b>CHM 1046L</b> General Chemistry II Lab	1
<b>BOT 1010</b> Elementary Botany	3
<b>BOT 1010L</b> Elementary Botany Lab	1
<b>PSY 2012</b> Introduction to Psychology	3
<b>Total</b>	<b>14</b>

### JUNIOR YEAR (31 Credits)

<b>ENY 3004</b> General Entomology	3
<b>CHM 2210</b> Organic Chemistry I	3
<b>CHM 2210L</b> Organic Chemistry I	1
<b>PCB 3063C</b> Principles of Genetics	3
<b>AGG 2050</b> Introduction to Biotechnology	2
<b>AGR 4430</b> Introduction to GIS and Remote Sensing	3
<b>Total</b>	<b>15</b>

<b>SWS 3022</b> Nature Properties of Soil	3
<b>SWS 3022L</b> Nature Properties of Soil Lab	1
<b>AGR 3210</b> Field Crop Science	3
<b>BOT 3504C</b> Plant Pathology	4
<b>HOS 3012C</b> Horticulture Science	3
<b>AGG 2050L</b> Introduction to Biotechnology Lab	2
<b>Total</b>	<b>16</b>

### SENIOR YEAR (31 Credits)

<b>BOT 3503C</b> Plant Physiology	4
<b>AGR 4512</b> Plant Ecology	3
<b>STA 2023</b> Intro to Probability & Statistics I	3
<b>SWS 4427C</b> Soil and Plant Analysis	3
<b>AGR 3232</b> Pasture and Range Management	3
<b>Total</b>	<b>16</b>

<b>PLS 4601C</b> Principles of Weed Science	3
<b>SWS 3211C</b> Soil and Water Conservation	3
<b>SOS 4732C</b> Soil Survey	3
<b>SWS 4131C</b> Soil Fertility and Fertilizers	3
<b>SWS 4451</b> Soil and Water Chemistry	3
<b>Total</b>	<b>15</b>

**Total Completed Hours 120**

**Effective Fall 2024**

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