

Plant Science Major Requirements

General Education	Course	Units
First Year Composition 1	ENGL 101	3
First Year Composition 2	ENGL 102	3
General Education, Tier 1	TRAD 1	3
General Education, Tier 1	TRAD 2	3
General Education, Tier 1	INDV 1	3
General Education, Tier 1	INDV 2	3
General Education, Tier 2	Humanities	3
General Education, Tier 2	Individuals & Societies	3
General Education, Tier 2	Arts	3
Foreign language	various	0-8
Total		27-35
Math, Computation, & Communication	Course	Units
Calculus	MATH 124	5
ISTA course	ISTA 100, 116, or 130	3
Introduction to Statistics and Biostatistics	MATH 263	3
Science Communication (Choose 1) Scientific Writing OR Translating Environmental Science OR Technical Writing OR Applied Organizational Communication OR Business Writing OR Communicating Knowledge in Ag & Life Sci.	ENVS 408 OR ENVS 415 OR ENGL 308 OR COMM 312 OR ENGL 307 OR AED 422	3
Total		14
Foundation Science	Course	Units
General Chemistry 1	CHEM 151	4
General Chemistry 2	CHEM 152	4
Organic Chemistry 1	CHEM 241A	3
Organic Chemistry Lab 1	CHEM 243A	1
Biochemistry	BIOC 384	3
Biochemistry	BIOC 385	3
Introductory Physics 1	PHYS 102	3
Introductory Physics Lab 1	PHYS 181	1
Introductory Biology 1	MCB 181R	3
Introductory Biology 2	MCB 182R	3
Introductory Biology Lab	MCB 181L or 182L	1
Total		29
Plant Science major	Course	Units
Plant Biology	PLS 240	4
Animal and Plant Genetics	PLS 312	4
Plant Growth and Physiology	PLS 360	3
Plant Cell Structure and Function	PLS 359	3
Colloquium	PLS 195A	1
Senior Capstone	PLS 498	2
Core electives (Choose 2) Evolutionary Biology Genomics Mechanisms in Plant Development Introductory Plant Pathology Physiol. of Plant Production in Controlled Environ.	ECOL 335 ECOL 326 PLS 440 PLP 305 PLS475A	6
Free electives	see list	17
Total		40