

# PLANT & SOIL SYSTEMS

## TURF AND LANDSCAPE MANAGEMENT

Learn about turfgrass and landscape management as you cover topics such as plant selection, installation, and maintenance with emphasis on propagation, cultural practices, plant nutrition, and plant protection. You will sharpen your skills as you learn to manage various landscapes including golf courses, sports fields, botanic gardens, or residential and commercial landscapes as well as have the opportunity to intern at various positions across the country. Students in this concentration receive a broad education that prepares them for a variety of career paths.

**Career Possibilities:** athletic field manager, golf course superintendent, grounds manager or foreman, industry sales, lawn care companies, and agrichemical companies.

### SEMESTER 1

**CRITICAL: ENGL 1001; MATH 1021.**

ENGL 1001 English Composition (3)  
BIOL 1001 General Biology (3) or  
BIOL 1201 Biology for Science Majors I (3)  
MATH 1021 College Algebra (3)  
CHEM 1001 Chemical Fundamentals (3) or  
CHEM 1201 General Chemistry I (3)  
General Education course - Arts (3)

**Total Semester Hours: 15**

### SEMESTER 2

**CRITICAL: BIOL 1001/BIOL 1201; MATH 1022/EXST 2201.**

BIOL 1002 General Biology (3) or  
BIOL 1202 Biology for Science Majors II (3)  
BIOL 1005 Introductory Biology Laboratory (2) or  
BIOL 1208 Biology Laboratory for Science Majors I (1)  
CHEM 1002 Chemistry of Life and the Environment (3) or  
CHEM 1202 General Chemistry (3)  
MATH 1022 Plane Trigonometry (3) or  
EXST 2201 Introduction to Statistical Analysis (4)  
General Education course - Humanities (3)

**Total Semester Hours: 13-15**

### SEMESTER 3

**CRITICAL: HORT 2050; CHEM 1001/CHEM 1201.**

AGRO 2051 Soil Science (4)  
AGEC 2003 Introduction to Agricultural Economics (3) or  
ECON 2030 Economic Principles (3)  
HORT 2050 General Horticulture (3)  
HORT 2070 Horticulture Lab (1)  
General Education Course - Humanities (3)

**Total Semester Hours: 14**

### SEMESTER 4

**CRITICAL: AGRO 2051.**

CMST 2060 Public Speaking (3)  
ENGL 2000 English Composition (3)  
ENTM 2001 Insects in the Environment (3)  
HORT 2020 Installation and Maintenance of Ornamentals in the Landscape I (2)  
HORT 3122 Herbaceous Plant Materials (3)

**Total Semester Hours: 14**

### SEMESTER 5

**CRITICAL: ENGL 2000.**

PLHL 4000 General Plant Pathology (4)  
HORT 2086 Introduction to Turfgrass Management (3)  
HORT 2860 Growth and Development of Agricultural Crops (3) or  
PLHL 3060 Introductory Plant Physiology (4)  
HORT 3000 Horticultural Internship (3) or  
HORT 3010 Research Problems (3)  
HORT 3030 Installation and Maintenance of Ornamentals in the Landscape II (2)

**Total Semester Hours: 15-16**

### SEMESTER 6

HORT 2061 Plant Propagation (3)  
HORT 2120 Woody Plant Materials I (3)  
HORT 3005 Horticulture Applications (3)  
Approved Electives (3)<sup>1</sup>  
General Education Course - Social Sciences (3)

**Total Semester Hours: 15**

### SEMESTER 7

AGRO 4052 Soil Fertility and Soil Management (4)  
HORT 4083 Principles and Practices in Olericulture (4) or  
HORT 4085 Principles and Practices in Fruit and Nut Production (4)  
Approved Electives (9-8)<sup>1</sup>

**Total Semester Hours: 17-16**

### SEMESTER 8

AGRO 4070 Weed Science and the Environment (3)  
HORT 4091 Advanced Turfgrass Management (3)  
HORT 4099 Horticulture Capstone (2)  
Approved Electives (9-7)<sup>1</sup>

**Total Semester Hours: 17-15**

**120 TOTAL SEMESTER HOURS**

<sup>1</sup> - A list of approved electives is available in the School of Plant, Environmental, and Soil Sciences.

