
The University of Tennessee at Martin **Plant & Soil Science Concentration, 2004-2005**

Career Opportunities

American culture is rapidly changing, as most Americans have more leisure time and increased discretionary spending than ever before. As consequence, more and more Americans are seeking lifelong recreational activities to fill their free time. These include such things as golf, camping, softball and other outdoor sports.

This has increased the demand for new and better facilities to accommodate these needs. If you consider just the golf industry, there are over 26 million golfers playing an estimated 20,000 golf courses throughout the country. A new or refurbished course opens each day and there is an average of 300 new course construction start-ups each year.

As a result, the turfgrass and landscape industries are rapidly expanding fields. There is over 50 million acres of turfgrass in the United States alone, representing one of the fastest growing segments of US agriculture. It brings to the American economy over \$40 billion annually. Home construction and sales are at all-time high and, with the emphasis on using more turfgrasses in road construction, for soil stabilization, in the landscape and on athletic fields and playgrounds, the demand for qualified turfgrass and landscape managers has never been greater.

Employment Possibilities

Today's turfgrass, golf course and landscape industry is greatly different from that of the past. Once a profession open to only the golf course superintendent, now jobs are available in many other sectors. A person with the formal turfgrass and landscape management training is likely to be found managing all types of facilities ranging from athletic fields, to those that own a lawn care/ landscape business, nursery and greenhouse operations management or owning/ operating a sod farm to those in many areas of academia. Government agencies, management companies as well as many in the private sector all provide excellent employment opportunities for those dedicated to turfgrass and landscape maintenance and culture.

Facilities

All facilities of the campus, including the library, student learning center, computer center and recreational complex are available for student. This includes the nationally award-winning campus grounds. Classrooms and laboratories of the College of Agriculture and Natural Resources are modern and provide an effective learning environment. While in study, students will become familiar with numerous commercial enterprises through field trips, guest lecturers and various media presentations.

In addition to the regular teaching facilities, UT- Martin has two acre turfgrass teaching facility equipped with a teaching lab and greenhouses, turfgrass plots, a 4500 square foot golf green and an ornamental plant materials nursery. Also, UT-Martin has available a 700-acre Agricultural Experiment Station and UTM Agricultural Field Teaching/Demonstration Complex are used for research, teaching, and demonstration.

For More Information

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 Martin, TN 38238
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Program of Study, Golf Course & Landscape Management Option

This list includes all courses required; however, the sequence may be flexible.

Freshman Year

Fall

Biology 110: Introductory Cell Biology and Genetics . . .	4
English 111: English Composition	3
Math 140: College Algebra and Elementary Functions	3
Animal Science 110: Introduction to Animal Science . .	3
Agricultural Economics 110: Introduction to Agricultural <u>Business</u>	<u>3</u>
Total Hours	16

Spring

Biology 120: Introductory Plant and Animal Biology . .	4
English 112: English Composition	3
Math 210: Elementary Statistics and Probability	3
Plant Science 110: Introductory to Plant and Soil Science	3
Agricultural Engineering Technology 110: Introduction to <u>Agricultural Engineering</u>	<u>3</u>
Total Hours	16

Sophomore Year

Fall

Chemistry 121: General Chemistry	4
Agricultural Engineering Technology 220: Surveying and Soil and Water Engineering	3
Agriculture 295: International Food and Fiber Systems	3
Philosophy 160: Introduction to Ethics	3
Computer Science 201: Introduction to Computer <u>Application</u>	<u>3</u>
Total Hours	16

Spring

Chemistry 122: General Chemistry	4
Communications 230: Public Speaking	3
Soil Science 210: Introduction to Soil Science	4
English or Communications Speaking or Writing <u>Elective*</u>	<u>3</u>
Total Hours	14

Junior Year

Fall

Soil Science 315: Soil and Water Conservation	3
Plant Science 333: Weed Science	3
Plant Science 431: Principles of Plant Breeding	3
Zoology 325: Economic Entomology	3
<u>Chemistry 310: Chemistry</u>	<u>3</u>
Total Hours	15

Spring

Agriculture 420: Supervised Field Experience	6
Plant Science 322: Introductory to Plant Pathology	3
Social Dynamics Elective*	3
<u>Aesthetics Elective*</u>	<u>3</u>
Total Hours	15

Senior Year

Fall

Plant Science 234: Lawn and Turf Management	3
Plant Science 471: Golf Course Management	3
Microbiology 251: General Bacteriology	4
<u>Restricted Electives*</u>	<u>6</u>
Total Hours	16

Spring

Soil Science 412: Soil Chemistry and Fertility	3
Botany 421: Plant Function and Development	3
Agriculture 390: Career Planning in Agriculture	2
Biology 336: Introductory Genetics	3
<u>General Electives*</u>	<u>5</u>
Total Hours	16

*See catalog for options.