

Plant & Soil Science Concentration

Golf Course & Landscape Management Option

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 use. 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 a two acre turfgrass teaching facility equipped with a teaching lab and greenhouses, turfgrass plots, a 4,500 square foot golf green and an ornamental plant materials nursery. Also, UT Martin has available a 700-acre Agricultural and Natural Resources Field Teaching/Demonstration Complex used for research, teaching, and demonstration.

The University of Tennessee at Martin
Department of Agriculture, Geosciences, and Natural Resources
Bachelor of Science in Agriculture
PLANT & SOIL SCIENCE CONCENTRATION
GOLF COURSE & LANDSCAPE MANAGEMENT OPTION
(Major code 1123)

Program Description: www.utm.edu/majors

Agriculture Fine Arts – 3 hrs

Requirement

- Choose 1 course from ART 110; ARTH 210, 211; DANC 110; MUS 111, 112; THEA 110, 111 (3 hrs)

Plant & Soil Science Biological & Physical System – 16 hrs

Requirement

- BIOL 110 (4 hrs)
- BIOL 120 (4 hrs)
- CHEM 111 (4 hrs)
- CHEM 112 (4 hrs)

University Wide Communication – 9 hrs

Students who place in ENGL 100, will use ENGL 110 instead of ENGL 111 in the ENGL sequence.

Requirement

- ENGL 111 (3 hrs) (Min C grade)
- ENGL 112 (3 hrs) (Min C grade)
- COMM 230 (3 hrs)

University Wide Humanities – 9 hrs

Requirement

- Choose 3 courses from ENGL 250, 251, 260, 261, 270, 271; FREN 250; GERM 250; HIST 121, 122, 201, 202; HONR 111; PHIL 110, 120, 130, 160; SPAN 250 (9 hrs)

Plant & Soil Science Mathematics – 6 hrs

Requirement

- MATH 210 (3 hrs)
- Choose one course from MATH 140, 160, 185, or 251 (3 hrs)

Plant & Soil Science Social & Behavior – 6 hrs

Requirement

- AGRI 295 (3 hrs)
- NRM 101 (3 hrs)

Ag Core – 18 hrs

Requirement

- **AGRI 390 (2 hrs)**
- **AGEC 110 (3 hrs)**
- **AGET 110 (3 hrs)**
- **ANSC 110 (3 hrs)**
- **PLSC 110 (3 hrs)**
- **SOIL 210 (4 hrs)**

Plant & Soil-Golf Course & Landscape Management Option – 43 hrs

Requirement

- **AGET 220 (3 hrs)**
- **AGRI 420 (3 hrs)**
- **AGRI 441 (3 hrs)**
- **PHYS 150 or 211 (4 hrs)**
- **PLSC 119 (1 hr)**
- **PLSC 234 (3 hrs)**
- **PSLC 242 (3 hrs)**
- **PSLC 321 (3 hrs)**
- **PLSC 322 (3 hrs)**
- **PLSC 333 (3 hrs)**
- **PLSC 363 (3 hrs)**
- **PLSC 431 (3 hrs)**
- **PLSC 471 (3 hrs)**
- **Choose 3 hours from SOIL 315, 430, 440**
- **SOIL 412 (3 hrs)**
- **ZOOL 325 (3 hrs)**

Plant & Soil-Golf Course & Landscape Management Electives – 10 hrs

Requirement

- **English, Comm, Writing choose 3 hours from: ENGL 325; COMM 210, 323, 324, 430**
- **Choose 3 hours from BOT 421, 431; PLSC 442**
- **Choose 4 upper division hours from courses in the departments of Ag, NRM, Biological Sciences, Chemistry, Engineering, or Geography, Geology, or Physics**

As a general rule:

100 & 200 level courses are lower division courses and target freshman and sophomore years;

300 & 400 level courses are upper division courses and target junior and senior years;

However, this is variable and student should work closely with faculty advisor to meet individual needs

