

Agricultural Science Concentration

Production Option

Career Opportunities

Modern agriculture is a tremendously diverse industry. Career opportunities range from manufacturing and distributing resource inputs (i.e., seed, fertilizer, capital) to production (farming), marketing, processing (converting raw agricultural commodities into usable products) and merchandising (distributing food and other goods to consumers). This program of study provides a broad general education that includes courses from several subject matter disciplines in agriculture. More than 25 percent of the courses may be selected by students to give in-depth preparation in areas especially intriguing to them. This combination provides a good general education and a broad overview of the agricultural industry, while allowing specialization according to individual interests.

Employment Possibilities

Graduates of this curriculum may, depending upon elective courses completed, begin career employment in many aspects of the industry:

- Resource marketing and distribution-seed, fertilizer, pesticide, pharmaceutical, equipment and feed companies; farm supply cooperatives
- Agricultural service occupations-representatives for banks, insurance companies, Agricultural Extension Service, conservation agencies, farm credit agencies, production management consulting firms, communications and information firms and government agencies
- Farm, ranch and feedlot management
- Commodity processing-meat packing, fruit and vegetable processing, feed manufacturing, milling industries, inspection and quality-control services
- Grounds maintenance occupations-greenhouse and nursery operations, pest-management consulting firms, pest-control businesses, lawn-care firms, landscaping firms
- Merchandising of food and agricultural products-chain and independent grocery firms, garden-supply outlets

Facilities

A nearby 700-acre UTM Agricultural and Natural Resources Teaching/Demonstration Complex is jointly used for research, teaching, and demonstration. Modern agricultural laboratories and classrooms are located in Brehm Hall and the Ned R. McWherter Agricultural Complex. The student is taught to use the computer, and numerous computer facilities are available for the student's convenience. In some cases, field trips are made to nearby industries and farms to learn their operating procedures.

The University of Tennessee at Martin
Department of Agriculture, Geosciences, and Natural Resources
Bachelor of Science in Agriculture
AGRICULTURAL SCIENCE CONCENTRATION
AGRICULTURAL PRODUCTION OPTION
(Major code 1112)

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)

Ag Science-Production Biological & Physical Sciences – 12 hrs

Requirement

- BIOL 110 (4 hrs)
- BIOL 120 (4 hrs)
- CHEM 111 or 121 (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)

Ag Science-Production Mathematics – 6 hrs

Requirement

- MATH 210 (3 hrs)
- Choose 1 course from MATH 140, 160, 185, or 251 (3 hrs)

University Wide Social & Behavioral Science – 6 hrs

Requirement

- Choose 2 courses from AGRI 295; ECON 100, 201, 202; GEOG 151, 152, 202; IDST 201; NRM 101; POSC 210; PSYC 110, 120; SWRK 220; SOC 201, 202; HLTH 111; HONR 112 (6 hrs)

Ag Core – 18 hrs

Requirement

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

Ag Science Production Major Requirements – 29 hrs

Requirement

- AGRI 420 (3 hrs)
- AGRI 441 (3 hrs)
- AGET 220 (3 hrs)
- AGET 482 (3 hrs)
- ANSC 119 (1 hrs)
- ANSC 350 (3 hrs)
- ANSC 380 (3 hrs)
- PLSC 119 (1 hrs)
- PLSC 322 (3 hrs)
- PLSC 333 (3 hrs)
- ZOOL 325 (3 hrs)

Ag Science Electives – 24 hrs

Requirement

- Choose 9 hours from courses in the department of Ag/NRM
- Choose 12 hours from Upper Division AGECE, ANSC, PLSC, or SOIL
- Choose 3 hours from courses to meet the 30 upper division hours and 120 degree hour requirement

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