

Agricultural Business Concentration

Farm and Ranch Management Option

Career Opportunities

To help American farmers respond to the increasing demand for agricultural products, at home and abroad, a major industry known as agribusiness has developed. The farm and ranch management option is designed for students who are interested in the applied aspects of the agricultural industry. Farm and ranch management offers students the flexibility to be exposed to various components of the agriculture complex to better understand and make sound technical decisions in response to an ever-changing demand for agricultural products.

The farm and ranch management option leads to a Bachelor of Science degree in Agriculture. The program prepares students for careers with industry or government. Farm and ranch management students take a core of agribusiness courses alongside a broad selection of agriculture and natural resource management courses. This flexibility allows students to take a variety of course offerings from multiple areas within agriculture. The curriculum can be structured to prepare students for admission to graduate school in either agriculture economics or business administration.

As agriculture is becoming more and more technical and business more sophisticated, it is essential that students receive training in both agriculture and business. In the farm and ranch management program, technical agriculture and agricultural economics are taught in the College of Agriculture and Applied Sciences, and most business techniques are taught in the College of Business and Public Affairs.

Employment Possibilities

The production of food and fiber, processing them, and transporting the final products to the world's people is the largest enterprise on earth. Everyone everywhere depends on agriculture and thus in some way on agri-business. Colleges of agriculture throughout the country recognize the necessity for trained individuals in the complex fields of agricultural business. It is estimated that nearly 50,000 jobs related to agriculture become available each year and many of them are related to agricultural business.

Some of the many career opportunities available for farm and ranch management graduates include those in agricultural chemical sales, feedlot manager, farm manager, farm equipment sales, government services, financial services, grain and feed industries, transportation, foreign trade, agricultural communications and the Agricultural Extension Service.

Facilities

Modern agricultural laboratories, classrooms and computer laboratory are located in Brehm Hall and the Ned R. McWherter Agricultural Pavilion. 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 BUSINESS CONCENTRATION
FARM & RANCH MANAGEMENT OPTION
(Major code 1126) (Catalog 2012-13)

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)

Biological & Physical Sciences – 8 hrs

Requirement

- CHEM 111 or 121 (4 hrs) (Prerequisite to SOIL 210)
- Choose 4 hours from ASTR 201, 202; BIOL 110 or 140, 120 or 130; CHEM 111, 112, 121, 122; GEOL 110, 120; PHYS 101, 102, 211, 212, 220, 221; ZOO 200, 201, 251

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; JAPN 250; PHIL 110, 120, 130, 160; SPAN 250 (9 hrs)

Ag Business Mathematics – 3 hrs

Requirement

- MATH 140, 160, 185, or 251

Ag Business Social Dynamics – 6 hrs

Requirement

- ECON 201 (3 hrs)
- ECON 202 (3 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 Business Concentration Requirements – 25 hrs

Requirement

- AGECE 271 (3 hrs)
- AGECE 325 (3 hrs)
- AGECE 335 (3 hrs)
- AGECE 364 (3 hrs)
- AGECE 371 (3 hrs)
- AGECE 372 (1 hr)
- AGECE 415 (3 hrs)
- AGECE 445 (3 hrs)
- AGECE 465 (3 hrs)

Farm & Ranch Ag/NRM Electives – 21 hrs

A maximum of 9 hours can be selected from:

Special Problems, practicum, research participation, supervised field experience, or international travel study

Requirement

- Choose 21 hours from AGECE, AGED, AGET, AGRI, ANSC, NRM, PRAD, PLSC, SOIL, WBIO

Farm & Ranch General Electives– 18 hrs

These electives may be replaced by the optional minor. Selecting a minor may result in additional hours beyond the degree requirements.

Requirement

- Choose 18 hours electives

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