The University of Tennessee at Martin  
Bachelor of Science in Agriculture (with a major in General Agriculture)  
Agricultural Business Concentration  
Farm and Ranch Management Option (program 1126) and  
Farm and Ranch Management Option – Online (program 1126-OL)

Overview
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.

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 Global Affairs.

Career Opportunities
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.

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, market analyst, grain and feed industries, transportation, foreign trade, precision agriculture, agricultural communications and the Cooperative Extension Service.

Facilities
Modern agricultural laboratories, classrooms and computer laboratories located in Brehm Hall and the Ned R. McWherter Agricultural Pavilion are available for student use. Field trips are made to nearby industries and farms to observe and learn their operating procedures.

Dr. Wes Totten, Chair  
Department of Agriculture, Geosciences, and Natural Resources  
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Martin, TN 38238  
Phone: 731-881-7262  
Email: wtotten@utm.edu
Course Requirements: BS in Agriculture – Ag Business Concentration – Farm & Ranch Management Option (1126)

Fine Arts (3 hours) Select One
ART 110 Understanding Visual Arts ___/3
ARTH 210 The History of Art ___/3
ARTH 211 The History of Art ___/3
DANC 110 Understanding Dance ___/3
MUS 111 Masterpieces of Music ___/3
MUS 112 Music in Our Time ___/3
MUS 113 Western Masterpieces ___/3
MUS 114 Historical Survey of Jazz ___/3
MUS 115 Music for the Masses ___/3
THEA 110 Understanding Theatre ___/3
THEA 111 Understanding Theatre ___/3

Biological & Physical Systems (8 hours) Select two
ASTR 201 Astronomy: Theories of the Solar System ___/4
ASTR 202 Astronomy: Evolution of Stars ___/4
or BIOL 140 Foundations: Cell & Molecular ___/4
or BIOL 130 Foundations: Ecology, Evolution, & Diversity ___/4
CHEM 111 Intro: General & Inorganic ___/4
CHEM 112 Intro: Organic & Biochemistry ___/4
CHEM 121 General Chemistry ___/4
CHEM 122 General Chemistry ___/4
GEOL 110 Intro: Physical Geology ___/4
GEOL 120 Environmental Geology ___/4
PHYS 101 Physics in Everyday Life ___/4
PHYS 102 Physics in Everyday Life ___/4
PHYS 211 College Physics ___/4
PHYS 212 College Physics ___/4
PHYS 220 University Physics ___/4
PHYS 221 University Physics ___/4
ZOOL 201 Human Anatomy & Physiology ___/4
ZOOL 251 Human Anatomy & Physiology I ___/4

Mathematics (3 hours) Select one
MATH 185 Precalculus ___/5
MATH 251 Calculus I ___/3

Social Dynamics (6 hours)
ECON 201 Principles of Macroeconomics ___/3
ECON 202 Principles of Microeconomics ___/3

Ag Core (9 hours)
*No more than 9 upper-division transfer hours may be used toward a UT Martin degree

Agricultural Business (31 hours)
AGEC 110 Introduction to Agricultural Business ___/3
Select 6 hours
ANSC 110 Introduction to Animal Science ___/3
PLSC 110 Introductory Plant & Soil Science ___/3
AGET 110 Introduction to Agricultural Engineering ___/3
AGRI 390 Career Planning in Agriculture ___/2
SOIL 210 Soil Science ___/4

Ag/NRM Electives (24 hours from AGEC, AGED, AGET, AGRI, ANSC, NRM, PARK, PLSC, SOIL, WBIO, VET, FRP)
A Maximum of 9 hours can be selected from: Special Problems, Practicum, Research Participation, Supervised Field Experience, or International Travel Study

Humanities (9 hours) Select three
ENGL 250 British Literature ___/3
ENGL 251 British Literature ___/3
ENGL 260 American Literature ___/3
ENGL 261 American Literature ___/3
ENGL 270 World Literature ___/3
ENGL 271 World Literature ___/3
FREN 250 France Today ___/3
GERM 250 Germany Today ___/3
HIST 121 World Civilization I ___/3
HIST 122 World Civilization II ___/3
HIST 201 History of the U.S. I ___/3
HIST 202 History of the U.S. II ___/3
JAPN 250 Japan Today ___/3
PHIL 110 Adventure of Ideas: Historical ___/3
PHIL 120 Adventure of Ideas: Contemporary ___/3
PHIL 130 Ethics and Race ___/3
PHIL 160 Exploring Ethics ___/3
SPAN 250 Latin America Today ___/3

Mathematics (3 hours) Select one
MATH 140 College Algebra & Elementary Function ___/3
MATH 160 Calculus for Business & Life Sciences ___/3
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