

**The University of Tennessee at Martin**  
**Bachelor of Science in Agriculture (with a major in General Agriculture)**  
**Agricultural Science Concentration**  
**Agricultural Production Option (program 1112)**

## **Overview**

Modern agriculture is a tremendously diverse industry. 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.

## **Career Opportunities**

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).

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, gardening supply outlets

## **Facilities**

UT Martin's 700-acre 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. Numerous computer facilities are available for student use. Field trips are made to nearby industries and farms to observe and learn about their operating procedures.

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Course Requirements: BS in Agriculture – Agricultural Science- Production (1112)

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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

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Biological & Physical Systems (16 hours)

BIOL 130	Foundations of Biology: Ecology & Diversity	___/4
BIOL 140	Foundations of Biology: Cell & Molecular	___/4
CHEM 111	Introduction to Chemistry I: General&Inorganic	___/4
or 121	General Chemistry	___/4
CHEM 112	Introduction to Chemistry II: Organic&Biochem	___/4

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Communications (9 hours)

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

ENGL 111	English Composition (Must earn a C or better)	___/3
ENGL 112	English Composition (Must earn a C or better)	___/3
COMM 230	Public Speaking	___/3

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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
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
RLST 201	Intro to Religion Studies	___/3
SPAN 250	Latin America Today	___/3

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Mathematics (6 hours)

MATH 210	Elementary Statistics & Probability	___/3
<i>Select One</i>		
MATH 140	College Algebra & Elementary Function	___/3
MATH 160	Calculus for Business & Life Sciences	___/3
MATH 185	Precalculus	___/5
MATH 251	Calculus I	___/3

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Social Dynamics & Behavioral Science (6 hours) *Select Two*

AGRI 295	International Food and Fiber Systems	___/3
ANSC 270	Animal Welfare & Ethics	___/3
ECON 100	American Enterprise System	___/3
ECON 201	Principles of Macroeconomics	___/3
ECON 202	Principles of Microeconomics	___/3
ENGR 100	Society & Technology	___/3
GEOG 151	Intro Regional Geography: NA, Europe, Russia	___/3

GEOG 152	Intro Regional Geography: Asia, Africa, LA	___/3
GEOG 202	Introduction to Cultural Geography	___/3
HLTH 111	Principles & Concepts in Personal Health	___/3
IDST 201	Introduction to Women’s Studies	___/3
NRM 101	Wildlife, Conservation, & Environmental Issues	___/3
NRM 250	Global Perspectives in Natural Resource	___/3
NUTR 100	Introductory Nutrition	___/3
POSC 210	American Government & Politics	___/3
POSC 220	American Politics Institutions & Policy	___/3
POSC 230	Introduction to World Politics	___/3
PSYC 101	Introduction to Psychology	___/3
SWRK 220	Understanding Human Diversity	___/3
SOC 201	General Sociology	___/3
SOC 202	Social Problems	___/3

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Ag Core (9 hours) *Select Three*

*\*No more than 9 Upper-Division transfer hours may be used toward a UT Martin degree!*

AGEC 110	Introduction to Agricultural Business	___/3
AGET 110	Introduction to Agricultural Engineering	___/3
ANSC 110	Introduction to Animal Science	___/3
PLSC 110	Introductory Plant and Soil Sciences	___/3
SOIL 210	Soil Science	___/4
AGRI 390	Career Planning in Agriculture	___/2

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Ag Production Option Courses (30 hours)

AGRI 240	History of American Agriculture	___/3	
AGRI 270	Introduction to Geospatial Technology	___/3	
AGRI 420	Supervised Field Experience	___/3	
AGRI 441	Interpretation of Agricultural Research	___/3	
AGET 220	Surveying & Soil and Water Engineering	___/3	
Upper-Division AGET Elective (3 hours)			___/3
ANSC 119	Introduction to Animal Science Lab	___/1	
PLSC 119	Introductory Plant & Soil Science Lab	___/1	
PLSC 310	Integrated Pest Management	___/4	
or ZOOL 325	General Entomology	___/4	
UDPLSCELE	(6 upper-division hours from PLSC)	___/	
_____		___/	
_____		___/	

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Ag Science Electives

UD-ANSC	(9 upper-division hours from ANSC)	___/
_____		___/
_____		___/
_____		___/
ANIPLTSOIL	(11 upper-division hours from AGECE, AGET, ANSC, PLSC, or SOIL courses)	___/

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_____		___/
AGNRMELECT	(12 hours in department of AG/NRM)	___/
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_____		___/

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**B.S. in Agriculture  
Agricultural Science – Agricultural Production  
2017-2018**

<b>Freshman Fall</b>	
General Studies 101	2
ENGL 111	3
MATH 140	3
BIOL 130	4
Fine Arts Elective	3
<b>Semester Total</b>	<b>15</b>

<b>Freshman Spring</b>	
ENGL 112	3
MATH 210	3
BIOL 140	4
ANSC 110	3
AGEC 110	3
<b>Semester Total</b>	<b>16</b>

<b>Sophomore Fall</b>	
CHEM 111 or 121	4
Humanities Elective	3
COMM 230	3
PLSC 110	3
AGRI 240	3
<b>Semester Total</b>	<b>16</b>

<b>Sophomore Spring</b>	
CHEM 112	4
Social Science Elective	3
ANSC 119	1
AGET 220	3
UD ANIPLTSOIL Elective	1
PLSC 119	1
UD ANIPLTSOIL Elective	3
<b>Semester Total</b>	<b>16</b>

<b>Junior Fall</b>	
AGRI 270	3
ZOOL 325 or PLSC 310	4
Humanities Elective	3
UD PLSC Elective	3
UD ANSC Elective	3
<b>Semester Total</b>	<b>16</b>

<b>Junior Spring</b>	
Social Science Elective	3
UD ANSC Elective	3
AG/NRM Elective	3
AG/NRM Elective	3
UD ANIPLTSOIL Elective	3
<b>Semester Total</b>	<b>15</b>

<b>Senior Fall</b>	
AGRI 420	3
UD AGET Elective	3
UD PLSC Elective	3
UD ANSC Elective	3
AG/NRM Elective	3
<b>Semester Total</b>	<b>15</b>

<b>Senior Spring</b>	
Humanities Elective	3
AGRI 441	3
AG/NRM Elective	3
UD ANIPLTSOIL Elective	3
UD ANIPLTSOIL Elective	1
<b>Semester Total</b>	<b>13</b>