



MISSISSIPPI STATE UNIVERSITY™
**COLLEGE OF AGRICULTURE
 AND LIFE SCIENCES**

Department of Agricultural & Biological Engineering

Agricultural Engineering Technology & Business (124 Hours)

4 Concentrations Available

Freshman Year

Fall Semester (15 hours)			Spring Semester (16 hours)		
EN 1103	English Composition I	3	EN 1113	English Composition II	3
MA 1713	Calculus I	3	PH 1113	Gen Physics I	3
_____	Humanities*	3	_____	Humanities*	3
<i>ABE 1073</i>	<i>Tech Design I</i>	3	<i>ABE 1083</i>	<i>Tech Design II</i>	3
<i>ABE 1863</i>	<i>Eng Tech in Ag</i>	3	_____	CONCENTRATION	3-4

Sophomore Year

Fall Semester (15 hours)			Spring Semester (16 hours)		
PH 1123	Gen Physics II	3	MA/ST 2113	Introduction to Statistics	3
CO 1003	Fund Public Speaking	3	ABE 2873	Land Surveying	3
AEC 2713	Intro Food & Res Econ	3	ACC 2013	Financial Accounting	3
CH 1043	Survey of Chemistry I	3	CH 1053	Survey of Chemistry II	3
_____	CONCENTRATION	3	CH 1051	Exp Chemistry	1
			_____	CONCENTRATION	3

Junior Year

Fall Semester (16 hours)			Spring Semester (15 hours)		
_____	Social Science*	3	_____	Fine Arts*	3
AEC 3133	Intro AgBus Mgt	3	AIS 3203	Prof Writing	3
ACC 2023	Managerial Accounting	3	MGT 3513	Intro Human Res Mgt	3
BL 2413	Legal Env of Bus	3	<i>ABE 3513</i>	<i>GPS & GIS</i>	3
_____	CONCENTRATION	3-4	_____	CONCENTRATION	3

Senior Year

Fall Semester (16 hours)			Spring Semester (15 hours)		
_____	CONCENTRATION	3	_____	Math Restricted Elective	3
<i>ABE 4383</i>	<i>Building Construction</i>	3	<i>ABE 4263</i>	<i>Soil & Water Mgt</i>	3
<i>ABE 4473</i>	<i>Elec. Applications</i>	3	_____	Math Restricted Elective	3
_____	CONCENTRATION	3	_____	CONCENTRATION	3
<i>ABE 4961</i>	<i>Seminar</i>	1	_____	CONCENTRATION	3
_____	CONCENTRATION	3			

Courses printed in italic are taught only in the Fall or Spring semester, as listed.

Students are required to earn a 'C' or better in all ABE core courses.

*Choose from General Education core

CONCENTRATION Courses: See Listings on Back

Natural Resource & Environmental Mgt (NREM)

ADS 1113/21 Animal Science and Laboratory
 or BIO 1134 Biology I
 PSS 1313 Plant Science
 or BIO 1023 Plants & Humans
 GR 2313 Maps & Remotes
 GR 4303 Principles of GIS
 PSS 3303/1 Soils and Laboratory
 15 Hours Restricted Electives:

AEC 3233 Intr Env Economics and Policy
 AEC 4223 Applied Quant Analysis Ag Econ
 AEC 4233 Environmental Economics
 BIO 2503 Environmental Quality
 BL 4263 Environmental Law
 FO 4313 Spatial Tech Nat Res Mgt
 FO 4353 Natural Resource Law
 FO 4463 Forest Hydrology and Watershed
 GG 3133 Intro Environmental Geology
 GG 3613 Water Resources
 GG 4613 Physical Hydrogeology
 GR 3113 Conservation of Natural Resources
 PSS 4333 Soil Conservation and Land Use

Surveying and Geomatics (SGEO)

CE 2213 Surveying (F)
 CE 4233 Control Surveys (F)
 CE 4243 Land Surveys (S)
 21 Hours Restricted Electives:

BL 4333 Real Estate Law ¹
 FO 4313 Spatial Tech Natural Res Mgt
 FO 4452 Remote Sensing Applications
 FO 4451 Remote Sensing Applications Lab
 GR 2313 Maps and Remote Sensing
 GR 3303 Survey of Geospatial Technologies
 GR 4303 Principles of GIS
 GR 4313 Advanced GIS
 GR 4323 Cartographic Sciences
 GR 4333 Remote Sensing of the Physical Env
 MGT 3323 Entrepreneurship

Enterprise Management (EMGT)

ADS 1113/21 Animal Science and Laboratory
 or BIO 1134 Biology I
 PSS 1313 Plant Science
 or BIO 1023 Plants & Humans
 PSS 3303/1 Soils and Laboratory
 21 Hours Restricted Electives:

ABE 2173 Prin Ag & Off-Road Machines
 ABE 4163 Ag & Off-Road Machinery Mgt
 ADS 4323 Beef Cattle Science
 AEC 3213 International Trade in Agriculture
 AEC 3233 Intro to Environmental Econ & Policy
 AEC 4413 Public Problems of Agriculture
 PO 4333 Broiler Production
 PSS 4103 Forage and Pasture Crops
 PSS 4123 Grain Crops
 PSS 4133 Fiber and Oilseed Crops

Precision Agriculture (PRAG)

ADS 1113/21 Animal Science and Laboratory
 or BIO 1134 Biology I
 PSS 1313 Plant Science
 or BIO 1023 Plants & Humans
 GR 2313 Maps & Remotes
 GR 4303 Principles of GIS
 PSS 3303/1 Soils and Laboratory
 PSS 4373 Geo Agro Mgmt
 12 Hours Restricted Electives:

ABE 2173 Prin Ag & Off-Road Machines
 ABE 4163 Ag & Off-Road Machinery Mgt
 AEC 4413 Public Problems of Agriculture
 GR 4323 Cartographic Sciences
 GR 4313 Advanced GIS
 GR 4333 Remote Sensing Physical Env
 FO 4452 Remote Sensing Applications
 FO 4451 Remote Sensing Applications Lab
 PSS 4123 Grain Crops
 PSS 4133 Fiber and Oilseed Crops