

Agricultural and Biological Engineering

Agricultural Engineering Technology and Business

Agricultural Engineering Technology and Business (AETB) graduates can find rewarding careers in a variety of agricultural, environmental, and industrial businesses. Technologists focus on managing, operating and troubleshooting technology systems by applying their knowledge of technology and business applications. This hands-on curriculum teaches students to manage equipment and machinery, biological processes, computers and other technologies to create and maintain current and new production systems. A Bachelor of Science degree is offered by the Agricultural and Biological Engineering Department through the College of Agriculture and Life Sciences.

Employment for AETB students include: Food/Fiber Production (Farming), Agrochemical Industries, Agricultural Lending, Banking, Seed and Grain Processing, Crop Consulting, Agricultural Equipment Manufacturing and Sales, Farm Management, Engineering, Land Surveying, and Food Processing.

Students may pursue one of four concentrations within AETB: 1) Natural Resources and Environmental Management, 2) Precision Agriculture, 3) Enterprise Management, and 4) Surveying and Geomatics.



Natural Resources and Environmental Management (NREM)

Natural Resources and Environmental Management concentration provides an enhanced background in resources conservation, hydrogeology, and water quality for students pursuing careers that require environmental training. This concentration is appropriate for students interested in developing skills to manage and solve problems in systems that impact our natural resources and the environment.



Precision Agriculture (PRAG)

Precision Agriculture concentration is appropriate for students interested in developing skills in global positioning systems (GPS), geographical information systems (GIS), remote sensing, and digital mapping technologies. A few career paths for PRAG Technologists include: Precision Agriculture Specialist, Mapping/GIS Specialist, Crop Consulting and Equipment Test Engineer.



Enterprise Management (EMGT)

Enterprise Management concentration is appropriate for students interested in acquiring the skills to solve problems for a wide variety of systems, and to manage an agricultural or business enterprise. Students will get a broad foundation in the management of machine systems, electricity, soil and water conservation, precision agriculture, biorenewables and animal production systems.



Surveying and Geomatics (SGEO)

Surveying and Geomatics concentration provides students with the necessary prerequisites to begin a three-step process (academic training, supervised surveying experience, testing) to become a registered Land Surveyor in Mississippi. Employment opportunities for registered land surveyors in Mississippi are exceptional and include an extensive number of land surveying and engineering firms as well as local, state, and federal government agencies.

For more information please contact:

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