Agricultural Engineering Technology
Concentration

Career Opportunities
The Agricultural Engineering Technology program was developed for students seeking careers associated with the application of technologies in the field of food and fiber production. Careers in Agricultural Engineering Technology include: agricultural equipment manufacturers, agricultural/industrial equipment sales and service, fiber processing, food production/processing industries, geospatial technologies, and technological fields in government-related careers.

The Agricultural Engineering Technology program leads to a Bachelor of Science degree in Agriculture. The program prepares students to be successful in careers associated with industry or government. The curriculum is also structured to prepare students for admission to graduate school in Agriculture Engineering Technology, Agricultural Operations Management, Agricultural Systems Management, or Agricultural Mechanics.

As agriculture is becoming more technical and sophisticated, it is essential that students receive a thorough educational background in relevant technologies and business practices. In the Agriculture Engineering Technology program, engineering technology and business/agribusiness courses are taught in the College of Agriculture and Applied Sciences, College of Engineering and Natural Sciences, and 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. Colleges of agriculture throughout the country recognize the necessity for trained individuals in the field of agricultural engineering technology. It is estimated that nearly 50,000 jobs related to agriculture become available each year and many of them are related to agricultural engineering technology.

Some of the many career opportunities available for agricultural engineering technology graduates include those with agricultural equipment manufacturers, agricultural/industrial equipment sales/service, food & fiber industries, financial services, and government agencies.

Facilities
Modern agricultural laboratories, classrooms, and computer laboratories are located in Brehm Hall and the Ned R. McWherter Agricultural Complex. Students utilize the latest computer technologies, GPS/GIS hardware and software, surveying instruments, and other technology-related equipment. Field trips and hands-on laboratory activities enhance classroom instruction.
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)

AG Engineering Technology Biological & Physical Systems – 12 hrs
   Requirement
   • CHEM 111 (4 hrs)
   • Choose either PHYS 211-212 or PHYS 220-221 (8 hrs)

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 Engineering Technology Mathematics – 9 hrs
   Requirement
   • MATH 170 (3 hrs)
   • MATH 160 or 251 (3 hrs)
   • Choose 1 course from MATH 140, 160, 185, 210, 251 (3 hrs)
Ag Engineering Technology Social & Behavioral Sciences – 6 hrs

Requirement
- ENGR 100 (3 hrs)
- Choose 1 course from AGRI 295; ECON 100, 201, 202; GEOG 151,152, 202; IDST 201; POSC 210, 220; SWRK 220; SOC 201, 202; HLTH 111; HONR 112; NRM 101; PSYC 110, 120 (3hrs)

Ag Core – 18 hrs

Requirement
- AGRI 390 (2 hrs)
- AGEC 110 (3 hrs)
- AGET 110 (3 hrs)
- ANSC 110 (3 hrs)
- PLSC 110 (3 hrs)
- SOIL 210 (4 hrs)

Ag Engineering Technology Major Courses– 21 hrs

Requirement
- ACCT 201 (3 hrs)
- ACCT 202 (3 hrs)
- AGEC 375 or BLAW 201 (3 hrs)
- COMM 326 (3 hrs)
- ENGR 101 (3 hrs)
- ENGL 325 (3 hr)
- Choose from SOIL 315, 430, or 440 (3 hrs)

Ag Engineering Technology Ag & NRM Electives – 12 hrs

Requirement
- Choose 12 hours from Advisor approved courses in Agriculture and NRM

Ag Engineering Technology Electives– 18 hrs

Requirement
- Choose 18 hours from AGET 210, 220, 310, 350, 354, 370, 450, 460, 482

Ag Engineering Technology General Electives– 3 hrs

Requirement
- Choose 3 hours from Advisor approved courses from BIOL, Business, CHEM, ENGR, FSCI, GEOG, GEOL, MATH, or PHYS

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