BACHELOR OF SCIENCE, MAJOR IN AGRICULTURAL ENGINEERING TECHNOLOGY

The purpose of the Agricultural Engineering Technology curriculum is to provide an educational experience based on the fundamentals of engineering principles and practices. Theory-based lectures will be accompanied by experiential learning activities for persons who intend to pursue a career related to the technical operation and management of an agriculture enterprise. It is expected that graduates will choose a position of leadership and responsibility in a career area associated with service and sales, production, processing, product testing, alternative energies, or a government agency.

An internship in an agricultural engineering technology related business or industry is strongly encouraged for each student. This will provide students 'real-life' learning experiences outside their regular classroom and laboratory opportunities. Students generally seek an internship experience at the end of their sophomore or junior year. Internships may be arranged through a student's contact with providers or through departmental announcements or postings. All internships must be approved by the student's departmental academic adviser prior to the initiation of the internship. Maximum credit for the internships is six (6) credit hours.

Code	Title	Hours
Bachelor of Science, Major in Agricultural Engineering Technology		
Core Curriculum		
Component Area I (Communication)		6
Component Area II (Mathematics)		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences)		3
Component Area IX (Component Area Option)		4
Degree Specific Requirements		
ACCT 2301	Principles Of Financial Acc	3
or ACCT 2302	Principles Of Managerial Acc	
ACOM 3360	Communication Skills for Agriculturists	3
AGRI 1309	Computers in Agriculture (or approved substitute)	3
or CSTE 1330	Introduction To Computers	
ETDD 1361	Engineering Graphics	3
MATH 1369	Elementary Statistics	3
or STAT 1369	Elementary Statistics	
MGMT 3310	Principles Of Management (or approved BUAD, AGBU (advanced))	3
PHYS 1305 & PHYS 1105	Classical Physics & Thermdynmc and Class Phy & Thermodynamics Lab	4
Major Core		
AGET 2303	Intro to Ag Engineering Tech	3
AGRI 1131	Intro To Pro Leadership Skills	1
ANSC 1319 & ANSC 1119	Animal Science and Animal Science Laboratory	
PLSC or ANSC Electives - Select one from the following:		4
PLSC 1307 & PLSC 1107	Plant Science and Plant Science Laboratory	
Major Core		
AGBU 2317	Principles Of Agri Economics	3
or AGBU 2389	Agribusiness Financl Analysis	
AGRI 4120	Professional Career Skills	1
Approved Agricultural Engineering Technology electives, including internship hours.		26
Minor		
Minor		9

Minor (Advanced)	9
Total Hours	120

Note

Students should use elective and/or minor hours to satisfy the 42 advanced hour requirement.

First Year

Fall	Hours	Spring	Hours
Component Area I	3	Component Area I	3
Component Area II	3	Component Area III	4
AGET 2303	3	Component Area VI	3
AGRI 1131	1	Component Area VII	3
AGRI 1309 or CSTE 1330	3	PLSC 1307 & PLSC 1107	4
	13		17

Second Year

Fall	Hours	Spring	Hours
Component Area VI	3	ACCT 2301 or 2302	3
Component Area VIII	3	ETDD 1361	3
AGBU 2317 or 2389	3	Component Area III	4
MATH 1369 or STAT 1369	3	Component Area IV	3
Minor	3	Component Area V	3
	15		16

Third Year

Fall	Hours	Spring	Hours
Component Area VII	3	AGET Advanced Electives	6
Component Area IX	4	MGMT 3310 (or Advanced AGBU Elective)	3
AGET Advanced Elective	3	Minor Advanced Courses	6
PHYS 1305 & PHYS 1105	4		
	14		15

Fourth Year

Fall	Hours	Spring	Hours
ACOM 3360 or ENGL 3330	3	AGET Advanced Electives	8
AGET Advanced Electives	9	AGRI 4120	1
Minor Advanced Course	3	Minor	6
	15		15

Total Hours: 120