

Biological and Agricultural Engineering Technology (Minor)

The BAET minor is offered to students interested in the application of engineering technology analysis in agricultural and environmental systems that utilize machinery, agricultural structures, food and feed processing, soil, water and waste management, electrical power and controls, and agricultural safety and health technology. It allows majors in other programs to understand engineering technology for equipment, materials, resources, processes, and facilities utilized in their major area of study, and be knowledgeable in the application of technology for managing environmental issues, impacts, and monitoring.

Admissions

Students who plan to minor in Agricultural and Engineering Technology should contact Dr. Crowell Bowers for consultation and approval. Admission to the minor requires a cumulative grade point average of 2.0 or higher. Students should contact the Biological and Agricultural Engineering Undergraduate Coordinator to inquire about adding the minor no later than the registration period for the student's final semester at NC State. A minor advisor will be assigned to all of the students enrolled.

Certification

The minor should be declared as soon as the student decides to pursue it. Minor coursework must be completed no later than the semester in which the student expects to graduate from his or her program. Students should add a minor no later than during the registration period for the student's final semester at NC State.

Contact Person

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SIS Code: 11BAET

Plan Requirements

- Completion of a minimum of 15 credit hours.
- Open to all students at NC State except students majoring in Biological and Agricultural Engineering Technology (BAET).
- The program is flexible in order for students to be able to emphasize the area of their interest.

Code	Title	Hours
Required Course		
Select one of the following:		3
BAET 323	Water Management	
BAET 332	Management of Animal Environments	
BAET 432	Agricultural and Environmental Safety and Health	
Elective Courses		
Select four of the following:		12

BAET 201	Shop Processes and Management	
BAET 323	Water Management	
BAET 332	Management of Animal Environments	
BAET 333	Processing Agricultural Products	
BAET 343	Agricultural Electrification	
BAET 411	Agricultural Machinery and Power Units	
BAET 432	Agricultural and Environmental Safety and Health	
BAET 443	Environmental Restoration Implementation	
BAE 325	Introductory Geomatics	
BAE 435	Precision Agriculture Technology	
Total Hours		15