

Biological and Agricultural Engineering Technology (Minor)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

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	Counts towards
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	