

Agricultural And Environmental Technology (11AEM)

Description

The undergraduate academic minor in Agricultural and Environmental Technology 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 and water and waste management, electrical power and controls, and agricultural safety and health technology. This program allows majors in other areas 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.

Requirements

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

Required Course (3 credit hours)

Select 1 of the following courses:

- AES 323 Water Management
- AES 332 Management of Animal Environments
- AES 432 Agricultural and Environmental Safety and Health

Elective Courses (12 credit hours)

- AES 201 Shop Processes and Management
- AES 323 Water Management
- AES 332 Management of Animal Environments
- AES 333 Processing Agricultural Products
- AES 343 Agricultural Electrification
- AES 411 Agriculture Machinery and Power Units (formerly BAE 311)
- AES 432 Agricultural and Environmental Safety and Health
- BAE 442 Systems Approach to Agricultural and Environmental Issues
- BAE 578 Agricultural Waste Management

Admissions

Students who plan to minor in Agricultural and Engineering Technology should contact Dr. Crowell Bowers for consultation and approval.

Certification

Dr. Bowers will certify the minor prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification should be completed no later than during the registration period for the student's final semester at NC State.

Contact Person

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SIS Code: 11AEM