Technology (Environmental Technology Management), MSTech

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Program Description

Degree Awarded: MSTech Technology (Environmental Technology Management)

The MSTech degree program with a concentration in environmental technology management provides students with a background in the sciences, engineering, environmental science, natural resource management, industrial hygiene or other affiliated areas with the regulatory and technical background to manage complex environmental problems.

Graduate courses are available in a traditional face-to-face format as well as Web-based distance learning. While the faculty and program are based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Most students are working professionals and are able to finish the degree while working full time. The curriculum includes courses on topics such as:

- air pollution
- chemistry of hazardous materials
- environmental health
- environmental law
- hazardous waste management
- industrial hygiene
- international environmental law and policy
- soil and groundwater contamination
- solid waste management
- sustainable development
- toxicology
- tribal environmental and resource management
At a Glance

- **College/School:** Ira A. Fulton Schools of Engineering
- **Location:** Polytechnic campus

Accelerated Degrees

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's and master's degree with:

Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. During their junior year, eligible students will be advised by their academic departments to apply.

Degree Requirements

33 credit hours and a thesis, or
33 credit hours and a written exam, or
33 credit hours including the required applied project course (ETM 593 or ERM 593), or
33 credit hours including the required written comprehensive exam

**Required Core (12 credit hours)**

**Approved Electives (15-21 credit hours)**

**Research (0-3 credit hours)**
ETM 592 Research

**Culminating Experience (0-6 credit hours)**
ETM 593 Applied Project (3) or
ETM 599 Thesis (6) or
written comprehensive exam (0)

Additional Curriculum Information

Concentration area coursework includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of ETM 599 Thesis or ETM 593 Applied Project and ETM 592
Research. The research requirement is for students completing an applied project. The written comprehensive exam option requires 12 credit hours of core classes and 21 credit hours of approved electives to reach the 33 credit hours required for the program.

Supporting coursework includes the following areas of study:

- air pollution
- environmental chemistry
- environmental health
- environmental management leadership
- hazardous waste management
- homeland security
- international environmental law and policy
- international environmental management
- soils and groundwater contamination
- sustainability and sustainable development
- sustainable solid waste systems
- tribal environmental resource management
- water and wastewater treatment technologies
- water resource management

**Admission Requirements**

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

1. graduate admission application and application fee
2. official transcript from each college or university attended
3. official GRE general exam scores
4. statement of purpose (maximum of 600 words)
5. current resume
6. proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants can find complete information on the English proficiency exams and other required documents at [https://students.asu.edu/graduate/international](https://students.asu.edu/graduate/international).

Applicants may opt to submit up to three letters of recommendation.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of applicants admitted to this program generally includes chemistry, calculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

**Contact Information**

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