DEGREE: BSE  
MAJOR: TECE  
OPTION: 

MAJOR REQUIREMENTS FOR A BSE DEGREE IN TECHNOLOGY AND ENGINEERING EDUCATION
Total credit hours required: 129.0 minimum

REQUIREMENTS AND POLICIES FOR THE BSE TECHNOLOGY AND ENGINEERING EDUCATION MAJOR

A. Policies for Admission to the Major
   1. New students (freshmen and transfers) must be admitted to the Technology and Engineering Education major by the Office of Admissions upon admission to the University.
   2. Admission into the Technology and Engineering Education major from other departments is upon approval of the Chairperson of the Applied Engineering, Safety & Technology Department.
   3. Non-degree and continuing education students must be admitted to the Technology and Engineering Education major by the Office of Admissions.

B. Policies for Retention in the Major
   1. University requirements for retention; also, 3.00 QPA upon the completion of 60 credits and approval to proceed with advanced professional studies.

C. Policies for Completion of the Major
   1. Completion of all University curricular requirements.
   2. Either English 312 or 316 satisfies the upper-level writing course requirement under the General Education Curriculum.
   3. Students who graduate with a BSE degree for teaching certification must satisfy one of the options for pre-service testing requirements as part of their admission to Advanced Professional Studies (APS). Details are available on the Field Services website.

D. Admission to Advanced Professional Studies and Certification (Education Majors)
   All students enrolled in teacher preparation programs must be admitted to Advanced Professional Studies and meet Pennsylvania State requirements and university requirements prior to being enrolled in their initial Advanced Professional Studies course. Students must meet additional Pennsylvania State requirements in order to be certified including completion of two PRAXIS exams in Fundamental Subjects Content Knowledge and Technology Education. These tests are mandated by the Pennsylvania State Board of Education and must be passed in order to qualify for an Instructional I Professional Certificate. A listing of Advanced Professional Studies courses and requirements is available in each department office, the Field Services office, and on the Field Services website.

Note to the student: This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.
MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: BSE TECH & ENGINEERING EDUCATION
Option: 
Major Field Requirements: 48.0 credits
Other Requirements: 48.0 - 51.0 credits

When applicable, up to six of the REQUIRED RELATED courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

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TECHNOLOGY REQUIREMENTS (48.0 credits)

Technology Literacy Courses (12.0 credits)

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Technical Core (36.0 credits)

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REQUIRED RELATED (15.0 - 18.0 credits)

MATHEMATICS (6.0 - 8.0 credits)

Choose two General Education approved MATH courses.

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Note: If you are completing the Engineering Design concentration, you should complete:

MATH 130 Elements of Statistics (3.0 credits)
MATH 151 Calculus for Mgmt, SS & Life (4.0 credits)

SCIENCE (3.0 - 4.0 credits)

Choose a G2 Lab Science from BIOL, CHEM, PHYS or ESCI. Note: BIOL 100, CHEM 103, CHEM 205, PHYS 103 or PHYS 104 are strongly recommended.

Note: If you are completing the Engineering Design concentration, you should complete:

PHYS 131 Physics I w/Algebra (4.0 credits)
PHYS 132 Physics II w/Algebra (4.0 credits)

ENGLISH (6.0 credits)

Choose one of the following:

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<th>Grade</th>
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Note: Only one OSEH course may be used as a lab elective.

* Choose three standard electives for Technology and Engineering Education:


If you opt for the Engineering Design Concentration, you must select three from these electives:

ITEC 262, 325, 326, 332, 342, 345, 357, 364, 382, 446, 448, 466, 467, 498; OSEH 320 or 323

Note: Only one OSEH course may be used as a lab elective.