

# Technology, Engineering, and Design Education Minor

## Description

The Technology, Engineering and Design Education minor broadens students' comprehension of the technological society in which they live. This is accomplished through the investigation and manipulation of tools, materials, and machines related to technology. Further, students experience technology coursework in applications such as information and communication systems; emerging technologies, robotics education, and evaluation of technological impacts on society, individuals, and culture. Minor programs are individually designed to meet the needs of the student and to complement their major.

**DECLARE THE TECHNOLOGY, ENGINEERING, AND DESIGN EDUCATION MINOR IN ORDER TO ENROLL IN CLASSES**

## Eligibility

- The Technology, Engineering and Design Education Minor is open to all NC State students except Technology, Engineering, and Design Education (TDE) majors.
- Requires a 2.5 or better cumulative NC State GPA.

## Learning Objectives

Students completing the minor will:

- Gain an understanding of technology practices including the fundamentals and core concepts of technological literacy.
- Gain experience and proficiency across 3-4 additional areas of technology, engineering, and design.

## Minor Requirements

- Complete 15 hours of course work in Technology, Engineering and Design Education.
- A minimum grade of 'C' (2.0) or better must be achieved in each course counting towards the minor.
- Students who have transfer credit from another institution that they believe is equivalent to GC120 should consult the contact person listed below for approval and inclusion in the minor.

**Required Courses (6 credit hours):**

Course #	Course Name
GC 120	Foundations of Graphics
TDE 110	Materials and Processes Technology

### Elective Courses (9 credit hours):

Choose any three (3) of the following courses:

Course #	Course Name
TDE 131	Technology through Engineering and Design I
TDE 205	Desktop Publishing & Imaging Technology
TDE 261	Digital Media Education
TDE 331	Technology Through Engineering and Design II
TDE 351	Ceramics: The Art and Craft of Clay
TDE 359	Electronics Technology
TDE 371	Emerging Issues in Technology
TDE 385	Robotics Education
TDE 481	Research and Development in Technology Education
TDE 490	Special Problems in Technology Education
TDE 498	Independent Study in Technology Education

## Course Registration Timeline for Minors

Technology, Engineering and Design Education minors will be able to enroll in courses on [the date that university freshman can begin enrolling](#) regardless of enrollment date. Priority enrollment is given to students in the TDE/GC major.

## Admissions

Students may declare their intention to complete the Technology, Engineering and Design Education minor by consulting with the contact person listed below.

## Certification

- **Please be aware that course completion alone will not result in certification of the Technology, Engineering and Design Education minor. In order to be certified you must do the following:**

1. Apply to be admitted to the Technology, Engineering and Design Education minor and submit the minor declaration form.
2. Complete the fifteen (15) required and elective courses with a 'C' (2.0) or better.
3. Submit the minor certification form no later than the semester in which the student expects to graduate from his or her degree program.

➤ Forms for the minor declaration and certification can be found by contacting the designated person below.

**Contact Person:**

Nolan Fahrer  
510 Poe Hall  
919.515.1741  
[nefahrer@ncsu.edu](mailto:nefahrer@ncsu.edu)

***Effective Date: 1/2020***  
***SIS Code: 13TEM***

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