The Ohio State University  
College of Engineering  
Approved by the College of Arts and Sciences

**Technological Studies Minor (College of Engineering) (TECHSTS-MN)**

**College of Engineering**  
Engineering Education Innovation Center (EEIC)  
http://engineering.osu.edu/eeic/index.php  
244 Hitchcock Hall; 2070 Neil Ave  
Columbus, OH 43210-1278; 614-247-8953  
Advisor: Robert J. Gustafson

This minor has the goal of allowing students to learn about technology and to become more technologically literate persons. Specific learning goals include:

- Better understand the role of technology (engineering) in society and the interactions of technology (engineering) with their major field
- Understand how to access and interpret reliable information to make informed decisions regarding technological issues
- Develop a basic understanding of the engineering design process

**Key Curriculum Components (minimum 20 credits)**

**Core** (9-10 Credit Hours)  
Two options are available for the core element of the Technological Studies minor. For the first core option, two new courses are included specifically to introduce technological concepts for a non-engineering audience. Technical and practical aspects of several technology areas will be explored. A prerequisite of any one GEC Natural Science course is required. The second core option may appeal to those who have the higher mathematics prerequisite and want a quantitatively more rigorous approach.

**Option 1:**  
ENG 201 (5) Designing Our World: An Introduction to Engineering Design, (New Course) and  
ENG 202 (5) Analyzing Our World: Foundations of Engineering Analysis (New Course)

**Option 2:**  
ENG 181 (3) Introduction to Engineering I, and  
ENG 183 (3) Introduction to Engineering II  
ISE 504 (3) Engineering Economic Analysis

**Computational Technology** (4-5 Credit Hours)  
Competence Facility with computational technology is needed for technology considerations, therefore the curriculum requirement in this area are for both minors.

CSE 200, 201, 202, 203, 204 or Higher Level CSE Class  
Permitted

**Technology and Society** (5 Credit Hours)  
Students also need to be able to place the technological development in a societal context as is the focus of the Technology and Society course requirement.

Comparative Studies 272, 597.01, ENG 360.02, 367, History 362, Physics 367, Soc 302

**Capstone Seminar** (2 Credit Hours)  
A capstone seminar focusing on current technological topics of broad interest will complete the minor package.

ENG 582 Technology Issues Seminar (New Course)

The program advisor will work with you in selection of a suitable minor program to meet your specific career objectives. Upon completion of the minor, the advisor will approve and sign the Minor Program Form. You may then file the Minor Program Form with your college or school to receive a minor in Technological Studies.

**General Guidelines**

**Required for graduation:** No

**Credit hours required:** A minimum of 20

**Transfer credit hours allowed:** No more than 10 hours of transfer credit may be applied to the minor.

**Overlap with the GEC:** Permitted

**Grades required:** No grade below a C- will be permitted in courses comprising the minor.

A minimum - 2.00 cumulative point-hour ratio is required for the minor.

Course work graded Pass/Non-Pass cannot count on the minor.

**Filing the minor program form:** A minor program form must be filled out no later than the time the application for graduation is submitted. It will require the signature of the student and the student's major program advisor.

**Exclusions to minor:** Not open to Engineering majors.

**Additional Guidelines for ASC Students**

**Overlap between minors:** Each minor completed must contain 20 unique hours.

**Changing the minor:** Once a minor is on file in the college/school office, any changes must be discussed with the faculty advisor and/or the college/school counselor.  
**Overlap with the major:** Not allowed and the minor must be in a different subject than the major.

**General Guidelines for Engineering Students**

**Exclusions to minor:** Not open to Engineering majors.  
**Changing a minor:** Once the minor has been filed, any changes must be approved by the Chair of the Minors Oversight Committee. This form will be available on the CoE website.

**Overlap Policy:** Engineering places no restrictions on the use of a course both in a minor and major program. However, students should consult their major program for any constraints that may be applied there.

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**College of Arts and Sciences**  
Curriculum and Assessment Services  
154 Denney Hall, 164 W. 17th Ave.  
http://artsandsciences.osu.edu