

Course Syllabus

 Edit

Welcome to Technical Standards in Engineering!

Course Description

This course is an introduction to the fundamentals of technical standards. Technical standards are documents that describe everyday processes and procedures and help ensure uniformity and safe practices. They are developed via consensus by a team of experts. They are commonly used, referenced, and relied upon in science, technology, engineering, and mathematics (STEM). Technical complexity, accessibility struggles, and a dynamic evolving nature are three aspects that make understanding and implementing technical standards in the education curriculum so challenging. This course will help students familiarize themselves with the common language of standards. It will also assist students in transitioning toward using technical standards in the workforce (e.g., research laboratory, report generation) and the professional setting (e.g., interviews, internships). Though primarily intended for undergraduate students and those unfamiliar with technical standards, anyone interested in deepening their understanding and exposure to technical standards is sure to gain a new perspective and tangible ways to engage in the community after participating in this course.

Instructors



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Additional Information

Email: programtse@gmail.com (<https://canvas.instructure.com/mailto:/mailto:programtse@gmail.com>)

Interest Survey: tinyurl.com/2025TSEreviewer ↗ (<http://tinyurl.com/2025TSEreviewer>)

Website: programtse.wixsite.com/home ↗ (<http://programtse.wixsite.com/home>)

Timeline

Dates	Module Number/Survey	Module Name
Jan. 27-31	Introduction	Introduction
Feb. 3-7	Module 1	Definition and Importance
Feb. 10-14	Modules 2	History
Feb. 17-21	Modules 3	Development Process
Feb. 24-28	Modules 4	Parts
Mar. 3-7	Modules 5	Comprehension
Mar. 10-14	Modules 6	Conformance Assessment
Mar. 17-21	----Spring Break/Rest----	----Spring Break/Rest----
Mar. 24-28	Modules 7	Design Process
Mar. 31 - Apr. 4	Modules 8	Case Studies

Apr. 7-11	Modules 9	Call to Action
Apr. 14-18	Program Survey	-
Apr. 30	Final Day to Complete Course and Surveys	Final Day to Complete Course and Surveys

Office Hours

Office Hour Schedule:

Friday, February 7th 11:00 am to 11:30 am EST over Zoom: [Join Zoom Meeting](#) 

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Friday, February 28th 11:00 am to 11:30 am EST over Zoom: [Join Zoom Meeting](#) 

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Additional office hours can be scheduled if needed; however, we find most content reviewers prefer to communicate over email.



Conclusion Group Meeting

Conclusion Group Meeting:

Friday, May 9th 11:00 am to 11:30 am EST over Zoom: [Join Zoom Meeting](#) 

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