Climate + Sustainability Systems

The **New Engineering Education Transformation (NEET) Climate and Sustainability Systems (CSS) thread** offers coursework focused on three areas:

New Materials and Processes

Energy Production and Distribution

Manufacturing

This thread provides the training needed to innovate the materials, devices, processes, and networked systems to **support the urgent and imperative transition towards net-zero greenhouse gas emissions** and a more sustainable planet.

NEET is a 3-year certificate program you opt in to as a sophomore and complete along with your major. Meet and connect with NEET students in the NEET Scholars Collaboration Space (3-001).

CSS LEAD INSTRUCTOR

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LEARN MORE

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THREAD **REQUIREMENTS**

Introductory Project Subject (recommended sophomore year):

22.03/3.0061[J]: Introduction to Design Thinking and Rapid Prototyping (6 units)

Intermediate HASS subject (recommended junior Year):

21A.S01: Anthro-Engineering: Decarbonization at the Million-Person Scale (12 units)

NEET Capstone project subject (taken junior or senior year):

Choose one: 22.S094: NEET Mongolia Project Capstone, UROP, or SuperUROP related to energy, materials, or manufacturing

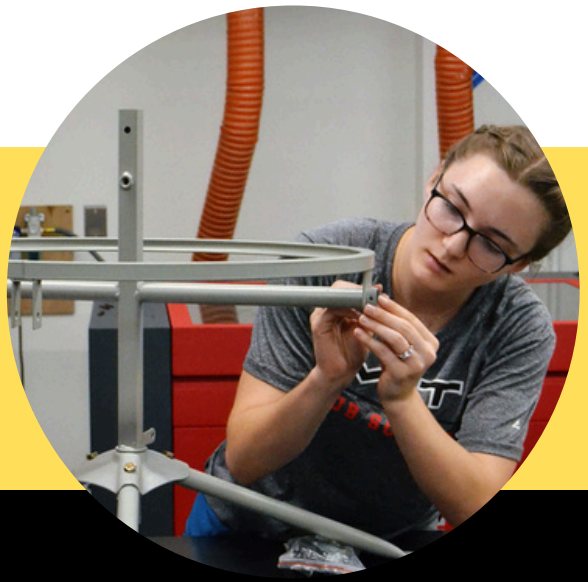
Elective Capstone-level project subject (taken junior or senior year):

Choose one:

- 2.S981: Special Subject in Mechanical Engineering
- 3.042: Materials Project Laboratory
- 2.013: Engineering Systems Design
- 10.467: Polymer Science Laboratory
- 10.492 (A+B): Integrated Chemical Engineering Topics I (6 + 6 units)
- 10.493: Integrated Chemical Engineering Topics II (6 units)
- 10.494 (A+B): Integrated Chemical Engineering Topics III (6 + 6 units)
- Or other advanced project class

3.006/22.003[J] NEET CSS Seminar (enroll for 3 semesters over the course of 3 years):

Speaker series featuring conversations with experts from academia and industry in energy, materials, or manufacturing, career input, special hands-on engagements, and technically-focused independent study options thereafter. (3 units)



CSS FOUNDING FACULTY LEAD

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