

CLIMATE + SUSTAINABILITY SYSTEMS

Learning + Collaborating Across Disciplines

NEET Climate + Sustainability Systems

Do you want to innovate materials, devices, processes, and networked systems to support the urgent transition towards net-zero greenhouse gas emissions and a more sustainable planet?

The New Engineering Education Transformation (NEET) Climate and Sustainability Systems (CSS) thread offers a hands-on, interdisciplinary, applied learning experience focused on three areas:

**New Materials
+ Processes**

**Energy Production
+ Distribution**

Manufacturing

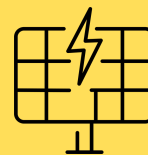
NEET is a three-year, experiential learning certificate program (sophomore through senior year) that you complete along with your major in the usual four years. All NEET scholars gain exclusive access to the NEET Scholars Collaboration Space (3-001) and other unique opportunities and benefits.



Dr. Nathan Melenbrink

enm@mit.edu

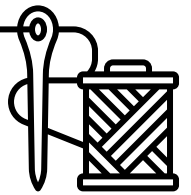
CSS Founding Lead Instructor, Lecturer
NEET, MIT School of Engineering



LEARN MORE



CSS Thread Requirements



Introductory Project Subject (Recommended Sophomore Year)

3.0061[J]/22.03[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 (Junior or Senior Year)

Choose ONE:

- 22.S094 | NEET Mongolia Project Capstone (12 units)
- UROP/SuperUROP related to climate, energy, materials, or manufacturing

Elective Capstone-Level Project Subjects (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

Seminar Series (Any Semester/Year, 3 Total)

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.

- 3.006/22.003 | NEET CSS Seminar (3 units)

Professor Mike Short

hereiam@mit.edu

CSS Founding Faculty Lead, Associate Director
NEET, MIT School of Engineering

