

CLIMATE + SUSTAINABILITY SYSTEMS

Cross-Departmental

Interdisciplinary

Hands-on

Project-centric

Toward your dreams

Combat the urgent climate crisis! Create innovative solutions and collaborate on real-world projects in climate-conscious teams.

In the New Engineering Education Transformation (NEET) **Climate and Sustainability Systems (CSS) thread**, you will develop the skills needed to **innovate the materials, devices, processes, and networked systems to achieve a more sustainable planet** and support the urgent transition toward net-zero greenhouse gas emissions.

The NEET CSS thread focuses on three areas:

NEW MATERIALS + PROCESSES

ENERGY PRODUCTION + DISTRIBUTION

MANUFACTURING



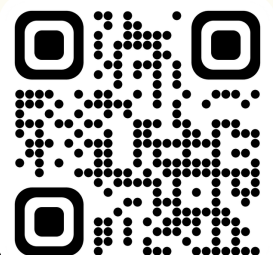
CSS LEAD INSTRUCTOR

Dr. Nathan King | natlking@mit.edu
CSS Lead Instructor, Lecturer
MIT School of Engineering

CSS FACULTY LEAD

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

LEARN MORE



THREAD REQUIREMENTS

Earn a certificate in your chosen thread!

SOPHOMORE YEAR

Introductory Project Subject (recommended sophomore year):

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

JUNIOR YEAR

Intermediate HASS Subject

- 21A.408[J]: Anthro-Engineering: Decarbonization at the Million-Person Scale (12 units)

JUNIOR or SENIOR YEAR

NEET Capstone Project Subject (Choose ONE):

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

Elective Capstone-Level Project Subjects (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

Enroll for 3 semesters over the course of 3 years:

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

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.

**SOPHOMORES eligible
to APPLY NOW at**

neet.mit.edu

**by 11:59 PM,
Sunday, September 27!**



Follow the action on Instagram at @mit_neet!