The Energy Studies Minor has provided me with a really comprehensive and well-rounded curriculum through which I can explore the field of energy. Above all, it has introduced me to people—peers, professors, and professionals—who also share my passion for energy and has opened a lot of doors to different career paths and academic interests that I would not otherwise have encountered or explored.

Jacqueline Hon
Political Science SB ‘14

Going into college, I was really interested in the energy field in general, especially in renewables, and I wanted to get some perspective on oil and gas as well. The breadth of the Energy Studies Minor really helped solidify that interest, and it’s still directing me to new places where I can continue to focus on energy.

Jacqueline Hon
Political Science SB ‘14

The Energy Studies Minor has provided me with a really comprehensive and well-rounded curriculum through which I can explore the field of energy. Above all, it has introduced me to people—peers, professors, and professionals—who also share my passion for energy and has opened a lot of doors to different career paths and academic interests that I would not otherwise have encountered or explored.
Choose one from each of the four categories:

### Energy Science Foundations
- **Fall**
  - 12.021 Earth Science, Energy, and the Environment
  - 14.01 Principles of Microeconomics, HASS-S
  - 15.075 Economic Analysis for Business Decisions (9 units)

### Social Science Foundations of Energy
- **Spring**
  - 14.44/15.037J Energy Economics & Policy, HASS-S
  - 16.142 Geography of the Global Economy, HASS-S

### Energy Technology/Engineering in Context
- **Fall**
  - 22.081J/2.650J/10.291J Introduction to Sustainable Energy
  - 11.165 Urban Energy Systems and Policy, HASS-S
- **Spring**
  - 2.60J/10.390J Fundamentals of Advanced Energy Conversion
  - EC.71U/2.65J D-Lab: Energy I

### Economics
- **Fall**
  - 1.018 AJ/7.30 AJ/12.031 AJ Fundamentals of Ecology I (6 units, first half of term)
  - 1.020 Principles of Energy and Water Sustainability
  - 1.071/12.300J Global Change Science
  - 1.079 Rock-on-a-Chip: Microfluidic Technology for Visualization of Flow in Porous Media
  - 1.081J/10.21J/17.339J/IDS.060J Environmental Law, Policy and Economics; Pollution and Prevention Control, HASS-S
  - 2.005 Thermal-Fluids Engineering I
  - 2.006 Thermal-Fluids Engineering II
  - 2.570 Nano-to-Macro Transport Processes
  - 2.603 Fundamentals of Smart and Resilient Grids
  - 2.612 Marine Power and Propulsion
  - 2.627 Fundamentals of Photovoltaics
  - 2.813 Energy, Materials, and Manufacturing
  - 3.003 Principles of Engineering Practice (9 units)
  - 3.004 Principles of Engineering Practice (12 units)
  - 3.012 Fundamentals of Materials Science and Engineering (15 units), REST
  - 3.022 Microstructural Evolution in Materials
  - 3.18 Materials Science and Engineering of Clean Energy
  - 3.354J/22.054J/Materials Performance in Extreme Environments
  - 4.401 Environmental Technologies in Buildings
  - 4.432 Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods
  - 5.352 Synthesis of Coordination Components and Kinetics (6 units, partial term)
  - 5.372 Chemistry of Renewable Energy (6 units, partial term)
  - 5.60 Thermodynamics and Kinetics, REST
  - 6.061 Introduction to Electric Power Systems
  - 6.131 Power Electronics Laboratory
  - 6.152/1.755J Micro/Nano Processing Technology
  - 6.701 Introduction to Nanoelectronics

Choose 24 units from the following:

- 10.018J/7.30AJ/12.031J Fundamentals of Ecology I (6 units, first half of term)
- 10.020 Principles of Energy and Water Sustainability
- 10.27 Energy Engineering Projects Laboratory (15 units)
- 10.28 Chemical-Biological Engineering Laboratory (15 units)
- 10.302 Transport Processes
- 10.426 Electrochemical Energy Systems
- 11.162 Politics of Energy and the Environment, HASS-S
- 12.346J/IDS.062J Global Environmental Negotiations (6 units)
- 14.42 Environmental Policy and Economics, HASS-S
- 15.026J/12.348J Global Climate Change: Economics, Science, and Policy (9 units)
- 16.001 Unified Engineering: Materials Structures, REST
- 16.002 Unified Engineering: Signals and Systems
- 16.003 Unified Engineering: Fluid Dynamics
- 16.004 Unified Engineering: Thermodynamics
- 17.051 Ethics of Energy Policy, HASS-S
- 22.033 Nuclear Systems Design Project (15 units)
- 22.04J/STS.084J Social Problems of Nuclear Energy HASS-S
- 22.06 Engineering of Nuclear Systems
- 22.092 Energy, Environment, and Society, HASS-H
- Energy UROP (units vary):view

For the most up-to-date information on the Energy Studies Minor, please visit energy.mit.edu/minor and contact the AITE Academic Coordinator at askmitei-ed@mit.edu.