



## The Energy Studies Certification

allows students to gain professional expertise and hands-on training in energy science, renewable energy systems, building engineering, and green design. Demand for energy professionals is high and will continue to grow as the need and demand for renewable energy and high-performance building systems continue to rise. There is a growing need for experts to guide us to a sound energy future and help craft more resilient and sustainable energy infrastructure.

### You can shape that future!

The importance of energy efficiency and sustainability is growing across many professional fields in business and management, public policy, and the sciences. Employers increasingly seek out young professionals with the knowledge and training in the field.

#### REQUIREMENTS FOR CERTIFICATION

PHYSICS (PHYS 2220/5 and PHYS 2230/5 OR PHYS 2110/5 and PHYS 2230/5)

ENERGY TECHNOLOGY (SUST 3301 or ENSC 5501)

ENERGY PRACTICUM OR ENERGY ANALYSIS (SUST 3311 or ENSC 5502)

ENERGY MANAGEMENT (SUST 3350 or ENSC 5312)

ECONOMICS (ECON2200 or ECON1200)

Approved electives such as Sustainable Design (ENSC 5720), Electronics, Thermal Physics, Circuits, Green Vehicle Technology, or a special project or internship.\*

\*All energy related special projects must be approved by program coordinator

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**The Energy Studies Certificate** coursework can put you on track for multiple professional accreditations, including Certified Photovoltaic Installer (NABCEP), US Green Building Council Leadership in Energy and Environment Accredited Professional (LEED-AP), Building Performance Institute Energy Auditor (BPI), Certified Passive House Consultant (PHIUS), Association of Energy Engineers Certified Energy Manager (CEM), and others.



## The certification in Energy Science can be completed in many ways:

- Sustainability Majors can choose to concentrate their studies in the energy field and complete the certification requirements seamlessly while pursuing a BS in Sustainability.
- Students pursuing a Professional Science Master's degree can focus their studies in energy, integrate the certificate requirements into their coursework, and receive certification upon completion.
- Students from any major can complete the certificate requirements, perhaps as part of their electives or at-some-distance requirements, and achieve certification in addition to their degree.
- Anyone can complete the requirements as a matriculated or non-matriculate student and receive certification, even if you are not currently a student and do not plan to pursue a degree.

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