

# Earn a Certificate in ***ENERGY STUDIES***

## REQUIREMENTS FOR CERTIFICATION

The following course requirements must be met for certification:

PHYS 2220/2225	Physics I/Lab
Or PHYS 2110	Physics for Life Sciences I/Lab
PHYS 2230/5	Physics II/Lab
Or PHYS 2120	Physics for Life Sciences II/Lab
SUST 3301	Sustainable Technologies/Lab
SUST 3311	Energy Practicum
SUST 3350	Energy Management
Or GNM 3321	Energy Management
ECON 2200	Ecological Economics

And two of the following:

ENVL 3443	Energy Planning
PHYS 3380	Thermal Physics
PHYS 3110	Electronics
SUST 4710	Green Vehicle Technology
PHYS Energy Physics (as special project)	
SUST/PHYS Alternative Energy Project (as special project)	
SUST/PHYS/ENVL approved energy-related elective	
Or Energy related special topics project approved by program coordinator	

The Energy Studies curriculum offers a series of courses that are taken in parallel with a students degree requirements in their major and leads to a certificate that will be awarded at graduation. Any Stockton student, regardless of major, who can meet the requirements is fully eligible for certification.



The future need for energy expertise is clear. Energy prices and supplies have become, and will remain for the foreseeable future, a major concern for homeowners, businesses and industry. The majority of residential and commercial buildings in the United States are greatly inefficient and will require upgrade over the next decade; and overall energy production and distribution in the US will require significant changes if we are to meet our future energy needs. As a result, the nation will require experts able to define these necessary changes and guide us to a sound energy future. There will be a demand for expertise in building energy use, design, and management. There will also be a need for energy planning to design community plans and shape energy policy at the local, state and national level.