

# Energy Systems Engineering

(Formerly Sustainable Energy)

Graduate Certificate in Engineering: 12 credits / 4 courses

Students pursuing a Graduate Certificate in Engineering must complete four of the following courses:

Energy Systems Engineering Core (complete 3):	
ENPM622 Energy Conversion I - Stationary Power*	(every fall)
ENPM624 Renewable Energy Applications*	(every fall)
ENPM656 Energy Conversion II – Mobile Power* [ENPM672 or equivalent]	(every spring)
ENPM654 Energy Systems Management*	(every summer)

Energy Systems Engineering Pre-approved Technical Elective courses (choose 1):	
ENPM627 Environmental Risk Analysis*	(every spring)
ENCH648K Advanced Fuel Cells and Batteries*	(every spring)
ENCH648L Photovoltaics: Solar Energy*	

NOTE: Any courses not listed above must be approved by the Senior Academic Advisor **PRIOR** to registration.

KEY	
Online Option *	(offering information)
[Prerequisite course]	

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