

ENERGY RESOURCES CONCENTRATION

ME 415	Energy Conversion	4
ME 418	Implementation of Mechanical Controls	4
or ME 419	Advanced Control Systems	
ME 428	Senior Design Project I ¹	2
ME 429	Senior Design Project II ¹	2
ME 430	Senior Design Project III ¹	2
Select from the following: ²		11-12
EE 255 & EE 295	Energy Conversion Electromagnetics and Energy Conversion Electromagnetics Laboratory	
EE 420	Sustainable Electric Energy Conversion	
EE 423	Micro/Nano Fabrication	
MATE 430	Micro/Nano Fabrication	
ME 434	Enhanced Oil Recovery	
ME 435	Drilling Engineering	
ME 436	Petroleum Production Engineering	
ME 437	Nuclear Energy Power Generation	
ME 438	Nuclear Power Plant Design	
ME 439	Nuclear Power Plant Operations	
ME 443	Turbomachinery	
ME 444	Combustion Engine Design	
ME 450	Solar Thermal Power Systems	
ME 454	Benchmarking and Assessment of Building Energy Performance	
ME 488	Wind Energy Engineering	
ME 541	Advanced Thermodynamics	
Total units		25-26

¹ ENGR 459, ENGR 460, and ENGR 461 (6) or ENGR 463, ENGR 464, and ENGR 465 (6) may substitute for ME 428, ME 429, and ME 430 (6).

² ME 400 and ME 500 are independent study classes and may be acceptable for technical elective credit. A course substitution form is required.