

Concentration Title: Energy Engineering

Proposed Departments: Mechanical & Industrial Engineering, Math, Economics,

Political Science, Physics, Electrical & Computer Engineering, Geological Science

	Course #	Course Name	Credits
1	MIE 230	Thermodynamics	3
2	MATH 331	Ordinary Differential Equations for Scient. & Engineers	3
3	MIE 340	Fluid Mechanics I	3
4	MIE 210	Statistics	3
5	ECON 308	Political Economy of the Environment	3
6	MATH 320 (Amherst)	Wavelet and Fourier Analysis	4
7	MIE 310	Dynamics	3
8	MIE 354	Heat Transfer	3
9	MIE 573	Wind Power Systems	3
10	MIE 570	Solar & Direct Energy Conversion	3
11	MIE 313	Design of Mechanical Components	3
12	ECE 361	Fundamentals of Electrical Engineering	3
13	MIE 673	Wind Turbine Design	3
14	MATH 534	Partial Differential Equations	3
15	POLISCI 382	Environmental Policy	3
16	MATH 235	Linear Algebra	3
17	MIE 674	Offshore Wind Energy Systems	3
18	PHYSICS 421	Mechanics I	3
19	PHYSICS 422	Quantum Mechanics	3
20	GEO-SCI 354	Climatology	3

