Minor

Energy Engineering Minor

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This interdisciplinary minor is for students who would like to learn about energy engineering fundamentals, socio-environmental impacts of energy systems, and novel energy engineering technologies. The minor will enhance students' abilities to integrate knowledge from different disciplines with concepts used in energy engineering and offer students the opportunity to be recognized for study in this growing interdisciplinary field.

Requirements

The interdisciplinary minor requires 12 credit hours of 300/400-level courses selected from at least two different disciplines with a maximum of six credits from any one discipline. The course requirements are as follows:

Four courses chosen from:		12
	CET 355	Sustainable Building Practices
	CEE 458	Sustainable Development
	CEE 459	Biofuels Engineering
	ECE 303	Introduction to Electrical Power
	ECE 403	Power Electronics
	ECE 471	Introduction to Solar Cells
	ECON 447W	Natural Resource and Environmental Economics
	EET 370	Energy and The Environment
	EET 483	Introduction to Smart Grids
	EET 485	Electrical Power Systems
	ENMA 301	Introduction to Engineering Management
	ENMA 302	Engineering Economics
	MAE 411	Mechanical Engineering Power Systems Theory and Design
	MAE 413	Energy Conversion
	MET 300	Thermodynamics
	MET 450	Energy Systems
	MET 471	Nuclear Systems I
	OEAS 415	Waves and Tides
	PHYS 415	Introduction to Nuclear and Particle Physics

One course relevant to energy engineering from the student 's major can also be used as a minor course with the approval of the minor coordinator.

For completion of the minor, students must have a minimum overall grade point average of 2.00 in all courses specified as a requirement for the minor exclusive of prerequisites. At least six hours of the required 12 must be taken through courses offered by Old Dominion University.