

Curriculum

□ Graduate

classification	Course Code	Subject Name	Lecture: Experiment: Credit	Semester	Remark
Mandatory General Course	CC010	Special Lecture on Leadership	1:0:0	Fall	
	CC020	Ethics and Safety	1 AU	Spring/Fall	
	CC500	Scientific Writing	3:0:3(4)	Spring/Fall	
	CC510	Introduction to Computers and Applications	2:3:3(10)	Spring/Fall	
	CC511	Probability and Statistics	2:3:3(6)	Spring/Fall	
	CC512	Introduction to Material Science	3:0:3(3)	Spring/Fall	
	CC513	Engineering Economics	3:0:3(6)	Fall	
	CC522	Instrumentation	2:3:3(8)	Fall	
	CC530	Entrepreneurship and Management Strategy	3:0:3(6)	Fall	
	CC531	Patent Analysis and Invention Disclosure	3:0:3(6)	Spring/Fall	
Mandatory Major Course	EEW501	Introduction to Energy Science and Engineering	3:0:3	Spring/Fall	
Elective Course	EEW502	Nature of Chemical Bond	3:0:3	Fall	
	EEW503	Molecular Thermodynamics and Energy System	3:0:3	Spring	
	EEW504	Advanced Quantum Mechanics	3:0:3	Spring	
	EEW505	Thermodynamics and Chemical Reaction Kinetics	3:0:3	Fall	
	EEW506	Polymer Materials for Energy Devices	3:0:3	Fall	
	EEW507	Thermal Physics	3:0:3	Fall	
	EEW508	Surface Physics and Chemistry	3:0:3	Spring	
	EEW509	Theory of Electron Microscopy and Its Experiment	3:0:3	Fall	
	EEW510	Design of Functionalized Nanostructures	3:0:3	Fall	**MS590
	EEW511	Hydrogen Energy 1. Storage	3:0:3	Fall	
	EEW512	Sustainable Catalysis	3:0:3	Spring	
	EEW513	Water Treatment and Desalination	3:0:3	Spring	
Research	EEW966	Energy Technology Seminar	1:0:1	Spring	

※ 500 Level course credits can be taken by students in either undergraduate or master's program.

**This course is identical to MS590 in the department of MSE.