

PROPOSED ACADEMIC PLAN

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
MSEE 500	Sustainable Energy Engineering	Graduate Standing	3-0-3
MSEE 510	Solar and Wind Energy Systems	Graduate Standing	2-2-3
MSEE 540	Fluid Mechanics and Heat Transfer	Graduate Standing	2-2-3
TOTAL			9

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
MSEE 501	Energy Storage and Conversion	MSEE 500	3-0-3
MSEE 530	Introduction to Petroleum Engineering	MSEE 500	2-2-3
MSEE 531	Reservoir Engineering Fundamentals	MSEE 540	2-2-3
MSEE 550	Research Seminar	Department Approval	0-1-0
TOTAL			9

Graduate program

Semester 1

Course no.	Course title	Prerequisite(s)	Credits
MEEE 630	Energy Systems	Graduate standing	3
MEME 640	Engineering Thermo-dynamics and Heat Transfer	Graduate standing	3
MEEE 631	Energy Economics	Graduate standing	3
MEMO 600	Advanced Mathematics in Engineering	Graduate standing	3
TOTAL			12

Semester 2

Course no.	Course title	Prerequisite(s)	Credits
METH 660	Seminar	Graduate standing	2
	Concentration core req. 1		3
	Concentration core req. 2		3
	Concentration core req. 3		3
TOTAL			11

Semester 3

Course no.	Course title	Prerequisite(s)	Credits
MSEE 532	Carbon Capture and Sequestration	MSEE 500	3-0-3
Choice	Elective I		3
Choice	Elective II		3
TOTAL			9

Semester 4

Course no.	Course title	Prerequisite(s)	Credits
MSEE 551	Thesis	MSEE 550	0-0-6
Choice	Elective III		3
TOTAL			9