MASTER OF ENGINEERING IN MECHANICAL AND AEROSPACE ENGINEERING WITH SPECIALIZATION IN ENERGY/ENVIRONMENT/ECONOMICS (E3)

Curriculum

Code	Title		Credit Hours
Engineering Analysis Courses			**(6)**
MMAE 501	Engineering Analysis I		3
MMAE 502	Engineering Analysis II		3
Core Courses			**(9)**
CHE 543	Energy Envir Economics		3
Select a minimum of one course from the following:			3
CHE 503	Thermodynamics	3	
CHE 553	Advanced Thermodynamics	3	
MMAE 520	Advanced Thermodynamics	3	
Select a minimum of one course from the following:			3
CHE 541	Renwble Engry Technologies	3	
MMAE 522	Nuclear F-F & Sust Energy Sys	3	
MMAE 523	Fundamentals Power Generation	3	
MMAE 524	Fundamentals of Combustion	3	
Non-Core Courses			**(9)**
Select a minimum of two courses from the following:			6
MMAE 524	Fundamentals of Combustion	3	
MMAE 525	Fundamentals of Heat Transfer	3	
MMAE 526	Conduction and Diffusion	3	
MMAE 527	Heat Trnsf Convection Radiatio	3	
Select a minimum of one course from the following:			3
CHE 541	Renwble Engry Technologies	3	
CHE 560	Ststcl Qlty Process Control	3	
or MMAE 560	Ststcl Quality Procs Control		
ENVE 501	Environmental Chemistry	3	
ENVE 506	Chemodynamics	3	
ENVE 542	Physcheml Prcs in Envir Eng	3	
ENVE 551	Industrial Waste Treatment	3	
ENVE 561	Dsgn of Envrmtl Engr Prcs	3	
ENVE 570	Air Pollution Meteorology	3	
ENVE 577	Dsgn of Air Poltn Control Dvcs	3	
ENVE 578	Phys&Chem Prcs Indus Gas Clng	3	
ENVE 580	Hazardous Waste Engineering	3	
Electives			**(6)**
Select six credit hours			6
Total Credit Hours			30