

MSc in Energy Conversion – Curriculum Chart

Term 1

Courses	Credits	Code	Prerequisites	Type
Advanced Mathematics 1	3	1418222		R
Convection Heat Transfer	3	1418218		C
Advanced Numerical Analysis	3	1418224		RE
Total Credits				

Term 2

Courses	Credits	Code	Prerequisites	Type
Advanced Thermodynamics	3	1418238		C
Solar Energy Application	3	1418346		E
Computational Fluid Dynamics 1	3	1418340		RE
Advanced Fluid Mechanics	3	1418233		C
Direct Energy Conversion	3	1418260		E
Boundary Layer	3	1418343		E
Total Credits				

Term 3

Courses	Credits	Code	Prerequisites	Type
Conduction Heat Transfer	3	1418221		RE
Radiation Heat Transfer	3	1418231		RE
Microcurrents and Nanocurrents	3	1418338		E
Internal Combustion Engines	3	1418345		E
Total Credits				

Total Credits of Elective Courses: 6

Total Credits of Required Courses: 3

Total Credits of Core Courses: 9

Total Credits of Seminar: 2

Total Credits of Thesis: 6

Total Credits of Required Elective Courses: 6

Total Credits: 32

Course Types: C=Core R=Required E=Elective RE=Required Elective