

**PROGRAMME DETAILED STRUCTURE
MASTER DEGREE
IN MECHANICAL ENGINEERING**

Course Number	Course Title	CR.
Core Courses		
ME 711	Research Methods in Mechanical Engineering	3.0
ME 731	Advanced Heat & Mass Transfer	3.0
ME 753	Advanced Computational Methods	3.0
ME 761	Advanced Fluid Mechanics	3.0
Elective Courses		
ME 721	Theory of Combustion	3.0
ME 722	Thermal Power Plants	3.0
ME 723	Renewable Energy	3.0
ME 724	Oil and Natural Gas Processing Equipment Design	3.0
ME 732	Advanced Air Conditioning & Refrigeration	3.0
ME 733	Thermal Equipment Design	3.0
ME 751	Vibrations and Noise Control	3.0
ME 752	Robotics & Applications	3.0
ME 754	Simulation and Modeling of Mechanical Systems	3.0
ME 762	Piping Systems	3.0
ME 763	Engineering Experimentations & Measurements	3.0
ME 771	Advanced Engineering Materials	3.0
ME 781	Advanced Automotive Technology	3.0
ME 785	Automotive Maintenance	3.0
ME 791	Advanced Mechatronics Systems	3.0
ME 795	Embedded Control of Manufacturing Processes	3.0
ME 796	Design for manufacturability	3.0
Master Thesis Research		
ME 701	Master Thesis Research part (I)	3.0
ME 702	Master Thesis Research part (II)	9.0