

Master's Degree Programmes**Electromechanical Engineering**

	Credits
EMEN7037 Advanced Mathematics for Electromechanical Engineering	3
EMEN7998 Project Report	6
7 required electives chosen from the elective table	21
Total Credits:	30

OR

EMEN7037 Advanced Mathematics for Electromechanical Engineering	3
EMEN7997 Internship and Report	3
8 required electives chosen from the elective table	24
Total Credits:	30

Elective table for MSc in Electromechanical Engineering:

EMEN7002	Physics of Materials	3
EMEN7003	Variational Principles and the Application	3
EMEN7006	Mechatronics	3
EMEN7007	Process Heat Transfer	3
EMEN7008	Convective Heat Transfer	3
EMEN7009	Computational Method for Thermo-Fluid System	3
EMEN7010	Energy Conversion and Utilization	3
EMEN7011	Advanced Robotics and Control	3
EMEN7014	Fluid Power Engineering	3
EMEN7017	Special Topics in Manufacturing I	3
EMEN7018	Special Topics in Manufacturing II	3
EMEN7019	Special Topics in Thermal Engineering I	3
EMEN7020	Special Topics in Thermal Engineering II	3
EMEN7021	Automotive Engineering	3
EMEN7022	Failure Analysis in Mechanical Engineering	3
EMEN7023	Advanced Electrical Services	3
EMEN7024	Advanced Electromechanical Energy Conversion	3
EMEN7025	Human Factors Engineering	3
EMEN7027	Engineering Acoustics	3
EMEN7028	Advanced Electric Vehicles	3
EMEN7029	Special topic in Electromechanical Engineering I	3
EMEN7030	Special topic in Electromechanical Engineering II	3
EMEN7031	Micromechatronics and Applications	3
EMEN7032	Intelligent Theory and Engineering Applications	3
EMEN7033	Industrial Engineering and Engineering Management	3
EMEN7034	Theories and Practice of CAD/CAM/CAE	3
EMEN7035	Product Design and Management	3
EMEN7036	Modeling and Analysis of Production Systems	3
EMEN7038	Mechanical Processing of Materials	3
EMEN7039	Prognostics and Health Management of Engineering Systems	3