

Licence				Master		
S3	S4	S5	S6	M-S1	M-S2	M-S3
Mathematics 3	Thermodynamics 2	Heat and Mass Transfer	Polymers	Mechanical Behavior of Metallic Materials	Mechanical Behavior of Composite and Multiphase Materials	Defects and Plastic Deformation
Waves and Vibrations	Mechanical Manufacturing	Continuum Mechanics	Composite Materials	Thermodynamics and Phase Diagrams	Physical, Chemical, and Mechanical Properties of Polymers	Material Fatigue
Fluid Mechanics	Mathematics 4	Metals and Alloys	Wood and Foams	Crystal Structure and Point Defects	Diffusion and Phase Transformations	Physical and Mechanical Properties of Ceramics
Rational Mechanics	Numerical Methods	Ceramics and Glass	Rheology (Flow of Materials)	Finite Element Methods	Fracture Mechanics	Materials Selection
Probability and Statistics	Strength of Materials	Binders and Concrete	Material Degradation and Protection	Manufacturing and Characterization of Ceramic Materials	Modeling and Simulation of Materials	Experimental Methods and Material Testing
Computer Science 3	Computer-Aided Design (CAD)	Practical Work: Heat and Mass Transfer	Final Year Project	Practical Work: Finite Element Methods	Heat Treatments	Polymer Degradation
Technical Drawing	Practical Work: Fluid Mechanics	Analysis and Characterization Methods	Practical Work: Polymers	Practical Work: Mechanical Testing	Manufacturing and Characterization of Composite Materials	Non-Destructive Testing
Practical Work: Waves and Vibrations	Practical Work: Numerical Methods	Practical Work: Metals and Alloys	Practical Work: Composite Materials	Elective Course 1	Elective Course 3	Elective Course 5
Basic Technology	Practical Work: Strength of Materials	Practical Work: Ceramics, Glass, and Concrete	Practical Work: Corrosion	Technical English and Terminology	Elective Course 4	Elective Course 6
Metrology (Measurement Science)	Practical Work: Mechanical Manufacturing	Material Assembly	Introduction to Biomaterials		Ethics, Morality, and Intellectual Property	Literature Review and Thesis Design
Technical English	Industrial Electricity	Standardization	Environmental Impact of Materials			
	Material Science	Scientific English	Entrepreneurship and Business Management			
	Communication and Information Techniques					