

BEng (Hons) Mechanical Engineering

Mechanical, Materials and Manufacturing Engineering / Faculty of Science and Engineering

Year 1 Modules

Module Code	Module Title	Credits
CELEN120	Foundation Algebra	20
CELEF008	Introduction to Academic Skills	10
CELEN038	The Scientific Method	10
CELEN122	Foundation Electromagnetism and Mechanics	20
CELEN037	Foundation Calculus and Mathematical Techniques	20
CELEN040	Foundation Chemistry	10
CELEN052	English in Specific Academic Contexts B (Engineering; Comp Sci; Env'mental Sci & Architecture)	20
CELEN082	Oral Communication Skills B	20

Year 2 Modules

Module Code	Module Title	Credits
MMME1019	Thermodynamics & Fluid Mechanics 1	20
MMME1053	Statics and Mechanics of Solids	10
MMME1044	Engineering Design and Design Project	20
MMME1043	Materials and Manufacturing	20
MMME1042	Mathematics for Engineers	20
MMME1041	Programming, Professional and Laboratory skills	20
MMME1054	Dynamics of Mechanical Systems	10

Year 3 Modules

Module Code	Module Title	Credits
MMME2015	Materials in Design	10
MATH2045	Advanced Mathematics and Statistics for Mechanical Engineers	10

MMME2014	Dynamics and Control	20
MMME2017	Thermodynamics & Fluid Mechanics 2	20
MMME2038	Mechanics of Solids	20
MMME2042	Design, Manufacture and Project	20
MMME2012	Engineering Management 1	10
MMME2027	Electromechanical Devices	10

Year 4 Modules

Compulsory Modules

Module Code	Module Title	Credits
MMME3026	Computer Modelling Techniques	20
MMME3023	BEng Individual Project	40
MMME3030	Engineering Management 2	20

Optional Modules

Module Code	Module Title	Credits
MMME3024	Computer Aided Engineering	10
MMME3040	Advanced Dynamics and Vibration	20
MMME3038	Thermofluids 3	20
MMME3025	Control and Instrumentation	10
MMME3099	Introduction to Transport Materials	10
MMME3039	Stress Analysis and Material Models	20