

**STAGE 1**

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
<a href="#">ENG1002</a>	Engineering Mathematics and Scientific Computing		30	TRM1+2	JANUARY & MAY	YES
ENG1005	Multi-Disciplinary Group Challenge Project	<b>RESTRICTED</b>				
<a href="#">ENG1006</a>	Entrepreneurship 1		15	TERM1	N/A	YES
<a href="#">ENG1007</a>	Fundamentals of Mechanics		15	TRM1+2	MAY	YES
<a href="#">ENG1008</a>	Fundamentals of Materials		15	TRM1+2	MAY	YES
<a href="#">ENG1009</a>	Fundamentals of Electronics		15	TRM1+2	MAY	YES

**STAGE 2**

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
ENG2001	Civil Engineering Challenge Project	<b>RESTRICTED</b>				
ENG2003	Electronic Engineering Challenge Project	<b>RESTRICTED</b>				
<a href="#">ENG2004</a>	Entrepreneurship 2		15	TERM2	N/A	YES
ENG2005	Entrepreneurship Challenge Project	<b>RESTRICTED</b>				
<a href="#">ENG2007</a>	Introduction to Fluid Dynamics		15	TERM1	JANUARY	YES
<a href="#">ENG2008</a>	Microcontroller Engineering		15	TERM2	MAY	YES
<a href="#">ENG2009</a>	Modelling of Engineering Systems		15	TERM1	JANUARY	YES
ENG2010	Soil Mechanics	<b>RESTRICTED</b>				
<a href="#">ENG2011</a>	Solid Mechanics		15	TERM1	JANUARY	YES
<a href="#">ENG2012</a>	Structural Behaviour		15	TERM2	MAY	YES
ENG2013	Sustainable Design Challenge Project	<b>RESTRICTED</b>				
<a href="#">ENG2014</a>	Technology Entrepreneurship		15	TERM2	N/A	YES
ENG2015	Management Challenge Project	<b>RESTRICTED</b>				
<a href="#">ENG2016</a>	Introduction in Economics and Company Finance		15	TERM1	MAY	YES
<a href="#">ENG2017</a>	Communication and Networking Technologies		15	TERM1	MAY	YES
<a href="#">ECM2106</a>	Manufacturing Systems		15	TERM2	MAY	YES
<a href="#">ENG2118</a>	Analogue and Digital Electronics Design		15	TERM1	JANUARY	YES

**STAGE 3**

Module code	Module title	Restricted	Module Credits	Term running	Exam in January or May	Coursework
<a href="#">ENG3001</a>	Construction Project Management		15	TERM2	N/A	YES
<a href="#">ENG3002</a>	Decision Making Systems & Decision Theory		15	TERM2	MAY	N/A
<a href="#">ENG3003</a>	Digital Engineering and Building Information Modelling		15	TERM1	N/A	YES
<a href="#">ENG3004</a>	Engineering Electromagnetics		15	TERM1	JANUARY	YES
<a href="#">ENG3005</a>	Fluid Dynamics and CFD		15	TERM1	JANUARY	YES
ENG3006	Geotechnical Engineering and Foundation Design	<b>RESTRICTED</b>				
ENG3007	Global Entrepreneurial Marketing	<b>RESTRICTED</b>				
ENG3008	Group Design and Build Project - MEng students	<b>RESTRICTED</b>				
ENG3008A	Mechanical Design and Build: Part 1 - Research	<b>RESTRICTED</b>				
ENG3008B	Mechanical Design and Build: Part 2 - Development	<b>RESTRICTED</b>				
<a href="#">ENG3010</a>	Industrial Awareness & Problem Solving		15	TERM2	N/A	YES
<a href="#">ENG3011</a>	Management and Leadership		15	TERM2	MAY	YES

ENG3012	Mechatronics	RESTRICTED				
ENG3013	Structural Mechanics and Dynamics	RESTRICTED				
ENG3013A	Civil Design and Build: Part 1 - Research	RESTRICTED				
ENG3013B	Civil Design and Build: Part 2 - Development	RESTRICTED				
ENG3014	Structural Engineering	RESTRICTED				
ENG3015	Structural Dynamics	RESTRICTED				
<a href="#">ENG3016</a>	Thermodynamics and Heat Transfer		15	TERM2	MAY	YES
<a href="#">ENG3017</a>	Quality Control and Improvement		15	TERM1	JANUARY	YES
<a href="#">ENG3018</a>	Control Engineering		15	TERM2	MAY	YES
ENG3019A	Management Design and Build: Part 1 - Research	RESTRICTED				
ENG3019B	Management Design and Build: Part 2 - Development	RESTRICTED				
ENG3020A	Entrepreneurship Design and Build: Part 1- Research	RESTRICTED				
ENG3020B	Entrepreneurship Design and Build: Part 2 - Development	RESTRICTED				
ENG3021A	Electronic Design and Build: Part 1 - Research	RESTRICTED				
ENG3021A	Electronic Design and Build: Part 2 - Development	RESTRICTED				
<a href="#">ENG3022</a>	Finite Element Analysis for High Value Manufacturing		15	TERM1	N/A	YES
<a href="#">ECM3153</a>	Management of Product Development		15	TERM1	JANUARY	YES
<a href="#">ECM3156</a>	Civil Engineering Hydraulics		15	TERM1	JANUARY	YES
<a href="#">ECM3158</a>	Water Resources and Pollution Control		15	TERM1	JANUARY	YES
<a href="#">ECM3160</a>	Materials		15	TERM1	JANUARY	YES
<a href="#">ECM3164</a>	Operations Management		15	TERM1	JANUARY	YES
<a href="#">ECM3165</a>	Digital Signal Processing		15	TERM2	MAY	YES
<a href="#">ECM3166</a>	Communications Engineering		15	TERM1	JANUARY	YES
ECM3174	Year in Industry	RESTRICTED				
ECM3175	Individual Project	RESTRICTED				
EMP3001	Commercial and Industrial Experience	RESTRICTED				
<b>STAGE 4</b>						
<b>Module code</b>	<b>Module title</b>	<b>Restricted</b>	<b>Module Credits</b>	<b>Term running</b>	<b>Exam in January or May</b>	<b>Coursework</b>
ECMM102	Group Project (MEng)	RESTRICTED				
<a href="#">ECMM103</a>	Computer Aided Engineering Design		15	TERM1	N/A	YES
<a href="#">ECMM109</a>	Advanced Geotechnical Engineering		15	TERM2	N/A	YES
<a href="#">ECMM110</a>	Water and Environmental Systems		15	TERM2	N/A	YES
<a href="#">ECMM112</a>	Manufacturing Supply Chain Management		15	TERM1	N/A	YES
<a href="#">ECMM113</a>	Agile, Lean and Competitive Enterprise		15	TERM1	N/A	YES
<a href="#">ECMM124</a>	Hydroinformatics Tools		15	TERM1	JANUARY	YES
<a href="#">ECMM127</a>	Advanced Materials Engineering		15	TERM1	JANUARY	YES
<a href="#">ECMM132</a>	Urban Drainage and Waste Water Management		15	TERM2	MAY	YES
<a href="#">ECMM133</a>	Water Supply and Distribution Management		15	TERM1	JANUARY	YES
<a href="#">ECMM134</a>	Environmental Processes		15	TERM1	JANUARY	YES
<a href="#">ECMM141</a>	Multivariable State-Space Control		15	TERM1	JANUARY	YES
<a href="#">ECMM142</a>	Contemporary Advanced Materials Research		15	TBC	TBC	TBC
ECMM144	Environmental and Computational Hydraulics	RESTRICTED	15			
ECMM145	Computational Hydrology	RESTRICTED	15			
ECMM146	Mathematical Modelling of Waste Water Treatment Processes	RESTRICTED	15			

ECMM147	Mechatronics: Sensors and Machine Automation	RESTRICTED	15			
<a href="#">ECMM148</a>	Advanced CFD		15	TERM1	N/A	YES
<a href="#">ECMM149</a>	Linear Systems and Structural Analysis		15	TERM1	JANUARY	YES
<a href="#">ECMM150</a>	Structural Design		15	TERM2	JANUARY	YES
<a href="#">ECMM151</a>	Introduction to Earthquake Engineering		15	TERM2	MAY	YES
<a href="#">ECMM153</a>	Conceptual Design of Buildings		15	TERM1	JANUARY	YES
ECMM158	Active and Passive Structural Control	RESTRICTED	15			
<a href="#">ECMM159</a>	Structural Health and Performance Monitoring		15	TERM2	N/A	YES
<a href="#">ECMM160</a>	Engineering Materials and the Environment		15	TERM2	MAY	YES
<a href="#">ECMM162</a>	Water Management in Developing Countries		15	TERM2	N/A	YES
<a href="#">ECMM163</a>	Sustainable Engineering		15	TERM2	N/A	YES
ECMM164	MSc Dissertation	RESTRICTED				
ECMM168	Project Management	RESTRICTED				
<a href="#">ECMM172</a>	Management Science		15	TERM2	MAY	YES
ECMM178	Computational Techniques for Engineers		15	TERM2	TBC	TBC
ECMM180	Business Start up Project	RESTRICTED				
ECMM181	Entrepreneurship Skills Development 3		30	TRM1+2	TBC	TBC
EMPM012	SMM MSc Group Project	RESTRICTED				
ENGM001	Additive Manufacturing		TBC	TBC	TBC	TBC
<a href="#">ENGM002</a>	Advanced Communication Systems		15	TERM1	MAY	YES
ENGM003	Advanced Finite Element Analysis (FEA)		15	TERM1	TBC	TBC
ENGM005	Business Start up Project	RESTRICTED				
<a href="#">ENGM006</a>	Civil Engineering Materials		15	TBC	TBC	YES
<a href="#">ENGM008</a>	Design of Reinforced Concrete and Steel Structures		15	TBC	TBC	TBC
<a href="#">ENGM009</a>	Electric Machines and Power Electronics		15	TERM1	JANUARY	YES
ENGM010	Data-centric Engineering		15	TERM2	TBC	TBC
<a href="#">ENGM011</a>	Entrepreneurship 3		TBC	TBC	N/A	YES
ENGM012	Performance Based Design Under Dynamics Loading	RESTRICTED				
ENGM014	Individual Project- Meng Students	RESTRICTED				
ENGM015	Meng Individual Investigative Project	RESTRICTED				
<a href="#">ENGM016</a>	Metamaterials		TBC	TBC	N/A	YES
ENGM017	Composite Materials		TBC	TBC	TBC	TBC
ENGM018	Nonlinear Control		TBC	TBC	TBC	TBC
ENGM020	Robotics and Automation		15	TERM2	TBC	TBC
<a href="#">ENGM021</a>	Smart Production Systems		15	TERM2	MAY	N/A
<a href="#">ENGM023</a>	Sustainable Manufacturing		15	TERM1	TBC	TBC
<a href="#">ENGM024</a>	Trauma and Degeneration		TBC	TBC	TBC	TBC
<a href="#">ENGM025</a>	Smart Civil Structures		TBC	TBC	TBC	TBC
<a href="#">ENGM026</a>	Design, Innovation and Entrepreneurship		15	TERM2	N/A	YES
ENGM027	Engineering Management Science	RESTRICTED				
ENGM028	MSc Industrial Placement	RESTRICTED				
<a href="#">ENGM029</a>	Power Systems Analysis		15	TERM1	TBC	YES
ENGM030	Digital Twinning for Power System Plant	RESTRICTED				
ENGM031	Smart Grids and Sustainable Energy Systems	RESTRICTED				
ENGM032	Resilience of Electrical Energy Systems	RESTRICTED				
<a href="#">ENGM033</a>	Supply Chain Quality Management		15	TERM2	MAY	YES

ENGM034	Energy Autonomous Sensor Systems		TBC	TBC	TBC	TBC
ENGM035	Finance for Engineers		TBC	TERM1	TBC	TBC
ENGM036	Digital Mapping and Survey		TBC	TERM1	TBC	TBC
ENGM037	Digital Design	<b>RESTRICTED</b>				
ENGM038	Digital Analysis	<b>RESTRICTED</b>				