Programme Regulations: 2026/27

Programme Titles:
Degree of Bachelor of Engineering with Honours in Mechanical Engineering with International Foundation
Code: 1983U - Sept intake
1984U - Jan intake

Notes
(i) These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
(ii) Unless otherwise stated under 'Type', modules are not core.
(iii) A compulsory module is a module which a student is required to study.
(iv) A core module is a module which a student must pass, and in which a fail mark may neither be carried nor compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.
(v) All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.
(vi) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.
(vii) Programme transfers for Tier 4 students may be restricted by current Tier 4 rules. Please refer to the Visa Team for advice.

1. Stage 0 – January intake
(a) All candidates shall take the following compulsory modules:

Jan Intake	Sept Intake	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
INU0502	INU0102	English for Academic Purposes – Foundation	40	20	20	3	Core
INU0514	INU0114	Mathematics for Physical Sciences and Engineering 1	20	10	10	3	
INU0515	INU0115	Mathematics for Physical Sciences and Engineering 2	20	10	10	3	
INU0516	INU0116	Physics for Engineering	20	10	10	3	
INU0522	INU0122	Study Skills (for Foundation)	20	10	10	3	

Resit Assessment

As an exception to the University Taught Programme Regulations re-assessment may take place before the August/September period on the recommendation of an interim progress board.

For the English for Academic Purposes (EAP) module, the following will apply:
Note: The required pass mark for the module is 60 (an average of the four subskills (reading, listening, writing and speaking). The required competence level (as determined by UKVI regulations) in each subskill is 55. A minimum mark of 55 in all subskills as well an average of 60 across all four components is required to pass the EAP module.

If a student has achieved a module mark of 60 or more but has one or more subskill mark of less than 55, then in line with Programme Regulations the student has not passed the module. In this case, the student will be required to re-sit only those subskills where they have failed to achieve the competence level of 55.

A student will only be granted one re-sit opportunity.

The second attempt result achieved at the subskill level will be capped at 60, but the overall module mark will be uncapped. The overall module mark will be calculated as an average of the capped mark(s) achieved at the second attempt, together with any first attempt subskill mark(s)s where a re-sit was not required. This is to ensure that the University is provided with the student's actual English language competence level and that the re-sit capping penalty is only attached to those components being retaken.

2. Stage 1

(a) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Level*	*Type*
ENG1001	Engineering Mathematics 1	20	10	10	4	Core
ENG1003	Electrical and Magnetic Systems	15	10	5	4	
ENG1004	Electronics & Sensors	10		10	4	
ENG1005	Thermofluid Mechanics	15	5	10	4	
ENG1006	Properties and Behaviour of Engineering Materials	15	15		4	
ENG1007	Mechanics I	15	5	10	4	
ENG1008	Introduction to Programming Languages (C, Matlab and Python)	15	8	7	4	
ENG1009	Sustainable Design, Creativity and Professionalism	15	7	8	4	

3. Stage 2

(a) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credit*	*Credits Sem 1*	*Credits Sem 2*	*Level*	*Type*
ENG2011	Engineering Mathematics II	10	10		5	
ENG2023	Thermal Engineering	10		10	5	
ENG2027	Applications of Engineering Fluid Mechanics II	10	10		5	
ENG2029	AC Electrical Power and Conversion	10		10	5	
ENG2031	Mathematical Modelling & Statistical Methods for Engineering	10		10	5	
ENG2032	Business and Law for Engineers	10		10	5	
ENG2033	Engineering Mechanics: Statics	10	10		5	
ENG2034	Engineering Mechanics: Dynamics	10		10	5	
MEC2010	Materials & Manufacturing Processes Selection	20		20	5	
MEC2011	Mechanical Design and Professional Practice	20	20		5	

4. Stage 3

(a) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credit*	*Credits Sem 1*	*Credits Sem 2*	*Level*	*Type*
MEC3028	Computational Heat and Fluid Flow	10	10		6	
MEC3029	Advanced Mechanics	20	10	10	6	

MEC3030	Digital Manufacturing Processes and Systems	20		20	6	
MEC3031	Introduction to Biomedical Engineering	10	10		6	
MEC3032	Advanced Thermofluid Dynamics	10	10		6	
MEC3033	Introduction to Mechatronics Design	20	20		6	
MEC3098	Mechanical Engineering Project	30	5	25	6	Core

5. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

6. Degree classification

Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:2 for Stage 2 and Stage 3 respectively.