

## FACULTY OF ENGINEERING AND COMPUTING

### Programme Regulations 2020-2021

<b>Programme Title</b>	<b>Bachelor of Engineering in Mechanical and Manufacturing Engineering/Master of Engineering in Mechanical and Manufacturing Engineering</b>
<b>Programme Code</b>	<b>CAMI</b>
<b>Offered on a full-time or part-time basis</b>	<b>Full Time (01)</b>

**Note:** *Programme Regulations should be read in conjunction with Marks and Standards which can be found at <https://www.dcu.ie/ovpaa/Policies-and-Regulations.shtml>*

#### 1. Programme Specific Rules and Requirements

##### 1.1 Calculation for the Award Classification

The calculation of the final year award classification includes contributions from previous years' results as follows:

<b>Year contribution</b>	<b>Contribution to the award classification</b>
Year 1	5%
Year 2	5%
Year 3	10%
Year 4	10%
Year 5	70%
BEng exit in year 4	Yr 1=5%, Yr 2=5%, Yr 3=10%, Yr 4=80% (including project)

For the dual MEng/BEng award the classification obtained over 5 years is applied to both the BEng and MEng.

Students may obtain an MEng in Mechanical and Manufacturing Engineering with a Major in Sustainable Systems and energy should they complete the modules:

Module Code	Module Title
EE535	Energy System Decarbonisation: Technology and Policy
MM5XX	Energy Auditing and Management
MM5XY	Advanced Energy Systems
MM5XZ	Whole Life Cycle Costing
MM584	Manufacturing Systems Simulation
MM533	Research Practice and Methodology
MM51X	MEng Project (Sustainable Systems and Energy Engineering)

Students may obtain an MEng in Mechanical and Manufacturing Engineering with a Major in Model Based Design should they complete the modules:

Module Code	Module Title
MM421	Finite Element Analysis
MM432	Heat Transfer and Fluid Mechanics
MM524	Advanced Finite Element Analysis
MM532	Computational Thermo-Fluid Mechanics
MM584	Manufacturing Systems Simulation
MM533	Research Practice and Methodology
MM513	MEng Project

## 2. Derogations from Marks and Standards

Name of Professional Body: Engineers Ireland.  
Derogation from Marks and Standards paragraph 1.1 Awards.

Students exiting the programme in year 4 with a BEng are required to complete a final year project comprising 15 credits over the summer. This brings the overall credits obtained to 255. This will be facilitated in exceptional extenuating circumstances only.

## 3. Progression

### 3.1 Credits for progression

Students must have successfully completed a minimum of 60 credits in a study period in order to progress to the next study period.

To transfer in 3<sup>rd</sup> year of the programme to the new pathway students must achieve at least 50% precision mark in second year. Otherwise students complete the 3<sup>rd</sup> and 4<sup>th</sup> year of the BEng programme DC195.

### 3.2 Carrying of modules

Students will not be permitted to “carry” modules except in exceptional circumstances and subject to the approval of the Progression and Award Board and mode of delivery permitting.

### 3.3 *Exit Awards*

In the exceptional case where a student is not in a position to take the 5<sup>th</sup> year of the programme, provision will be made to complete a BEng project over the summer at the end of 4<sup>th</sup> year so that a BEng is obtained. The project mark is included in the 4<sup>th</sup> year precision mark.

## 4. **Compensation**

Compensation may apply in years 1 - 4 only, within the regulations specified in Marks and Standards.

## 5. **Resit Categories**

The resit categories of modules on this programme and an explanation of those categories can be found at:

[https://www101.dcu.ie/registry/module\\_contents.php?function=4&programme=CAMI&yr=21](https://www101.dcu.ie/registry/module_contents.php?function=4&programme=CAMI&yr=21)