



FACULTY OF ENGINEERING AND COMPUTING

Programme Regulations 2022-2023

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

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:

Year contribution	Contribution to the award classification
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)
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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:

Energy System Decarbonisation: Technology and Policy	7.5	EE535
Energy Auditing and Management	7.5	MM535
Advanced Sustainable Energy Systems	7.5	MM536
Whole Life Cycle Costing	7.5	MM537
Manufacturing Systems Simulation	7.5	MM584
Research Practice and Methodology	7.5	MM533
MEng Project (Sustainable Systems and Energy Engineering)	15	MM516

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

Finite Element Analysis	7.5	MM421
Heat transfer and Fluid Mechanics	7.5	MM432
Computational Thermo-Fluid Mechanics	7.5	MM532
Manufacturing Systems Simulation	7.5	MM584
Research Practice and Methodology	7.5	MM533
MEng Project	15	MM513

and one of:

Advanced Finite Element Analysis	7.5	MM524
Turbomachinery	7.5	MM5XX

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, accepting circumstances as outlined in point 3.2.

To transfer in 3rd year of the programme to the MEng pathway students must achieve a minimum H2.2 average (50%) precision mark from the aggregate of marks from year 1 and year 2. A student's track record, performance, rate of progression and commitment to the pathway may be considered in assessing applications for the integrated master's programme. The school will reserve the right to reject applications based on availability of places.

Otherwise students complete the 3rd and 4th 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 5th year of the programme, provision will be made to complete a BEng project over the summer at the end of 4th year so that a BEng is obtained. The project mark is included in the 4th 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=23