

Programme Specification

Mechanical Engineering [Frenchay]

Version: 2022-23, v1.0, Validated

Contents	
Programme Specification	1
Section 1: Key Programme Details	2
Part A: Programme Information	2
Section 2: Programme Overview, Aims and Learning Outcome	es2
Part A: Programme Overview, Aims and Learning Outcomes	3
Part B: Programme Structure	9
Part C: Higher Education Achievement Record (HEAR) Synopsis	20
Part D: External Reference Points and Benchmarks	20
Part E: Regulations	20

Section 1: Key Programme Details

Part A: Programme Information

Programme title: Mechanical Engineering [Frenchay]

Highest award: MEng Mechanical Engineering

Interim award: BEng (Hons) Mechanical Engineering

Interim award: BEng Mechanical Engineering

Interim award: DipHE Mechanical Engineering

Interim award: CertHE Mechanical Engineering

Awarding institution: UWE Bristol

Teaching institutions: UWE Bristol

Study abroad: Yes

Year abroad: No

Sandwich year: Yes

Credit recognition: No

School responsible for the programme: FET Dept of Engineering Design & Mathematics, Faculty of Environment & Technology

Professional, statutory or regulatory bodies:

Institution of Mechanical Engineers (IMechE)

Modes of delivery: Full-time, Part-time, Sandwich

Entry requirements:

For implementation from: 01 September 2020

Programme code: H30T00

Section 2: Programme Overview, Aims and Learning Outcomes

Page 2 of 22 30 May 2025

Part A: Programme Overview, Aims and Learning Outcomes

Overview: The curriculum is designed for students seeking an engineering education closely aligned to engineering practice. Technical knowledge, engineering practice, business awareness and sustainability are integrated through projects and revisited to produce confident graduates able to apply their skills to novel situations and create engineering solutions that benefit society.

Professional development is placed at the heart of the curriculum. From day one, students are taken on a journey from student engineer to graduate engineer, preparing them for life as an engineering professional. Students will identify, develop and demonstrate competencies expected of a professional engineer in the workplace. Projects and activities, embedded throughout the curriculum, are designed to develop the engineering habits of mind such as: Problem-finding, Problem-solving, Visualising, Systems Thinking, Improving, and Adapting. Foundation principles of engineering science, skills and practice are integrated throughout all years of study.

Mechanical engineers are employed throughout the engineering sector in the creation, maintenance and improvement of engineering operations. Consequently mechanical engineering graduates need to be able to integrate engineering knowledge skills from across engineering and be able to be an effective member of a multidisciplinary team. Mechanical engineering topics of engineering analysis, design, structures, stress analysis, dynamics, materials, thermofluids, systems and manufacturing are developed throughout the core and taken to an advanced level in the optional modules. Sufficient electrical and electronic content has been included in the core programme for the study of engineering problems involving electromechanical and mechatronic systems with the option of further studying advanced artefacts.

The ability to work in multidisciplinary teams on projects that require a broader view of the role of engineering in industry and society is developed through the core programme using project weeks to bring students together in problem finding and

> Page 3 of 22 30 May 2025

solution spaces where students are able to interact with each other, academics and external practitioners.

The MEng year involves students working on a multidisciplinary group project that requires the demonstration of technical and business understanding of an engineering problem. This project module accounts for 50% of the level 7 credit and requires the application of innovative problem solving and project management skills. Together the with the advanced level 7 options, students will graduate from the MEng programme with a significant enhancement of their ability and experience compared to the BEng programme.

The integration of knowledge, skills and practice allows the tacking of real engineering challenges and encourage students to engage with the wider role that mechanical engineers and specifically engineering habits of mind can play in tackling global challenges. This is an accessible and modern engineering curriculum designed to attract students from diverse backgrounds able to see the future role of engineering in industry and society.

Features of the programme: Immersive Project Weeks create student engineer community within curriculum and new building.

Integrated Learning Framework and use of problem-based and project-based learning.

Industry informed curriculum

Engineering Practice modules to scaffold the journey from student engineer to graduate engineer.

Professional and personal development embedded throughout all levels of the programme.

Interdisciplinary projects

Real engineering problems in core curriculum where students can explore industrial, environmental and societal impact of discipline.

Mathematics skills aligned taught in engineering context.

Educational Aims: Be able to work as a graduate mechanical engineer across the engineering sector able to work as an effective member of a multidisciplinary team.

Page 4 of 22 30 May 2025

Have acquired the knowledge and understanding of scientific principles and methods necessary to underpin an education in engineering. The programme will provide insight into, and practical skills in, the creation and maintenance of complex engineering products and will explore the environmental impact of engineering.

Have demonstrated an ability to integrate their knowledge and understanding of core subject material in order to solve a substantial range of engineering problems, including ones of a complex nature either individually or as part of a team.

Have developed and demonstrated understanding of the competencies and social responsibilities required by a professional engineer in the workplace and society. Activities to scaffold this development are embedded throughout the core curriculum to develop the engineering habits of mind. As a consequence, students will be able to critically appraise the value and effectiveness of future engineering innovations in the field in terms of business improvement and environmental sustainability.

Have the requisite academic knowledge, skills and preparation for progression to study for higher degrees in appropriate engineering disciplines.

Be equipped to make an early contribution to the success of an engineering organization having demonstrated strategic management and leadership skills within the context of a significant innovative engineering project requiring technical and business expertise.

Programme Learning Outcomes:

On successful completion of this programme graduates will achieve the following learning outcomes.

Programme Learning Outcomes

PO1. Apply established and novel mechanical analysis concepts to solve engineering problems involving design, operations and manufacture that arise across mechanical engineering applications.

Page 5 of 22 30 May 2025

- PO2. Use systems incorporating digital hardware, software, communication, processing algorithms, interfacing circuits and parameter sensing and actuating devices.
- PO3. Model mechanical engineering systems and be able to specify and assess technical designs.
- PO4. Understand the manufacturing, financial and marketing implications of design proposals.
- PO5. Identify the links between design, manufacturing and production management and assess the capabilities of manufacturing systems software used in the design, maintenance and improvement of manufacturing facilities.
- PO6. Communicate and operate effectively either as individuals or as members of a team.
- PO7. Pursue independent study, research and investigations to undertake enquiry into novel and unfamiliar concepts and implement change in an engineering environment.
- PO8. Make considered judgements and decisions on complex engineering issues in which not all facts and consequences are accurately known.
- PO9. Demonstrated strategic management and leadership skills together with broader engineering knowledge that goes beyond those of the BEng(Hons) degree

Assessment strategy: The assessment strategy for the new curriculum is designed to connect topics and levels within the curriculum and to enable students to reflect upon their development. The assessment methods on the programme are aligned to the requirements of the Institution of Mechanical Engineers who place high importance on the demonstration of authentic and verifiable learning outcomes for each individual student. This consideration can lead to a reliance on written examinations and limit the scope for project or group work activities. We have therefore widened the range of activities within our examinations to include more open book examinations, questions based on pre-seen scenarios, questions that build on practical laboratory-based activities and computer-based examinations where students demonstrate the use of software to solve engineering problems. The assessment strategy is designed to work for large module cohorts, typically associated with this programme (130-300).

Page 6 of 22 30 May 2025 The above Factors influence and inform the design of this programme's assessment strategy.

In year 1 the Engineering Practice 1 module develops professional attributes and engineering habits of mind through activities and assessments that encourage reflections through a structured portfolio and presentations. As part of the portfolio we have the concept of a "passport" where students demonstrate key professional skills such as workshop skills, library skills and health and safety awareness. This "replicates" part of the experience of an engineering apprentice but for one who is working in an academic environment.

The assessment strategies of the other core level 4 modules each designed to make sure that the content covered is connected. Solid Mechanics, Materials and Manufacturing and Dynamics Modelling and Simulation are strong examples of the design as students are assessed on key technical material during or at the end of the first semester, then moving to an exercise where the knowledge and skill is assessed in the context of an engineering design problem and then with a controlled assessment at the end of the module. The written examination references and builds upon design activities undertaken during the module and provides an efficient vehicle for integrating the different module elements and assessing individual knowledge. The assessment strategy is programmatic and connects the two immersive project weeks with the task from the first feeding into the second where a more technical treatment is considered bringing the content from these two modules together.

The level 4 module Thermofluids has an examination where examination questions are based around previously completed laboratory sessions, an activity that should mean that they are fully engaged and aware of how to prepare for that assessment. The assessment at level 4 should create the culture required for students to embrace active learning styles.

At level 5 Structural Mechanics, Dynamics and Applied Thermofluids all provide examples of how content and assessment is developed from level 4 to level 5. The

> Page 7 of 22 30 May 2025

immersive project weeks are used by the project orientated modules Engineering Practice 2 and Engineering Research.

The module Engineering Practice 2 takes over from the level 4 version and is a module that relies on the importance and creation of the team with key roles allocated and the dynamics of the team monitored through a regular peer assessment process. The problem to be tackled and forms the vehicle for the assessment is designed to be motivational and accessible and is assessed through group presentation.

Engineering Research is designed to have a significant impact on our operation. Students work in groups to scope out research ideas. They then work with technical and academic staff to develop a project proposal that will pitched as an individual presentation that will feed forward to an individual written proposal. Students should be able to start their individual level 6 project from the very start of that academic year.

In the final year of the programmes students are able to work on individual and group projects to showcase their understanding and skill as engineering practitioners. The design of the Engineering Research module will strengthen performance, management and consistency of the Engineering Project. Optional modules provide the opportunity to pursue specialist areas and a variety of assessment approaches are used for these modules.

The interdisciplinary Group Design and Integration Project is an exciting new development that brings mechanical, automotive, electronic engineers and roboticists together on projects that are electromechanical in nature. Typical problem fields could involve projects in biomechanics, assistive living, autonomous vehicles, robotics or electric powered vehicles. Projects from these areas would each have the potential to demonstrate modern developments and impact of engineering. The assessment for this module replicates a professional environment with group design review meetings forming part of the assessment.

The 60 credit Masters Group Capstone Module will be an interdisciplinary

Page 8 of 22 30 May 2025 experience replicating a business and technical development team. This module clearly differentiates the outcomes of the MEng and BEng programme with students required to demonstrate, through reports and seminars, a broad and deep understanding of the business case for an engineering solution and the need for entrepreneurial thinking, alongside a detailed technical design of a product, service or solution.

Student support: Espresso Engineering and Espresso Maths drop-in support stations

Personality and professional strengths finding activity at start of programme.

Mathematics diagnostic testing and follow-up interventions early in year 1.

Development of group work skills and attributes.

Academic mentors to provide continuity of support to SpLD students

Academic personal tutors

Video capture of course content delivery

E-assessments for rapid feedback

Part B: Programme Structure

Year 1

Part time students must take 30 credits from the modules in Year 1. Full time and sandwich students must take 120 credits from the modules in Year 1.

Year 1 Compulsory Modules (Full Time and Sandwich)

Full time and sandwich students must take 120 credits from the modules in Compulsory Modules (Full Time and Sandwich).

Module Code	Module Title	Credit
UFMFPS-15-1	Applied Electrical Technology 2022-23	15
UFMFMS-30-1	Dynamics Modelling and Simulation 2022- 23	30
UFMFKS-30-1	Engineering Practice 1 2022-23	30

UFMFLS-30-1	Solid Mechanics, Materials and Manufacturing 2022-23	30
UFMFNS-15-1	Thermofluids 2022-23	15

Year 1 Compulsory Modules (Part Time)

Part time students must take 30 credits from the modules in Compulsory Modules (Part Time).

Expectation is that Engineering Practice 1 will be awarded AL or AEL credit.

Module Code	Module Title	Credit
UFMFKS-30-1	Engineering Practice 1 2022-23	30

Year 2

Part time students must take 75 credits from the modules in Year 2. Full time and sandwich students must take 120 credits from the modules in Year 2.

Year 2 Compulsory Modules (Full Time and Sandwich)

Full time and sandwich students must take 120 credits from the modules in Compulsory Modules (Full Time and Sandwich).

Module Code	Module Title	Credit
UFMFTS-30-2	Applied Thermofluids 2023-24	30
UFMFL8-15-2	Dynamics 2023-24	15
UFMFQS-15-2	Engineering Practice 2 2023-24	15
UFMFRS-15-2	Engineering Research 2023-24	15
UFMFSS-30-2	Structural Mechanics 2023-24	30
UFMFUS-15-2	Systems Design 2023-24	15

Year 2 Compulsory Modules (Part Time)

Part time students must take 75 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
-------------	--------------	--------

UFMFPS-15-1	Applied Electrical Technology 2023-24	15
UFMFMS-30-1	Dynamics Modelling and Simulation 2023- 24	30
UFMFLS-30-1	Solid Mechanics, Materials and Manufacturing 2023-24	30

Year 3

Part time students must take 75 credits from the modules in Year 3. Full time students must take 120 credits from the modules in Year 3. Sandwich students must take 15 credits from the modules in Year 3.

Year 3 Compulsory Modules (Full Time)

Full time students must take 60 credits from the modules in Compulsory Modules (Full Time).

Module Code	Module Title	Credit
UFMFV8-15-3	Group Design and Integration Project 2024- 25	15
UFMFY8-30-3	Individual Project MEng A 2024-25	30
UFMFNQ-15-3	Professionalism for Engineers 2024-25	15

Year 3 Compulsory Modules (Part Time)

Part time students must take 75 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
UFMFL8-15-2	Dynamics 2024-25	15
UFMFSS-30-2	Structural Mechanics 2024-25	30
UFMFUS-15-2	Systems Design 2024-25	15
UFMFNS-15-1	Thermofluids 2024-25	15

Year 3 Compulsory Modules (Sandwich)

Sandwich students must take 15 credits from the modules in Compulsory Modules (Sandwich).

Module Code	Module Title	Credit
UFMF89-15-3	Industrial Placement 2024-25	15

Year 3 Optional Modules (Full Time)

Full time students must select 60 credits from module in .Optional Modules (Full Time).

Full time students may select a maximum of 15 credits from each of the following combinations:

UFMFU6-15-3 Composite Engineering OR UFMF7K-15-3 Materials and Structures for Special Applications

UFMF7T-15-3 Advanced Heat Transfer OR UFMFTA-15-3 Thermofluid Systems

UFMFXJ-15-3 Vibrational Dynamics OR UFMFVS-15-3 Vehicle Dynamics

UFMFYS-15-3 Advanced Manufacturing Technology OR UFMFP9-15-3 Mechanics of Materials

UFMFSL-15-3 Integrated Electromechanical Systems OR UFMFYJ-15-3 Control Engineering

Module Code	Module Title	Credit
UFMF7T-15-3	Advanced Heat Transfer 2024-25	15
UFMFYS-15-3	Advanced Manufacturing Technology 2024- 25	15
UFMFU6-15-3	Composite Engineering 2024-25	15
UFMFYJ-15-3	Control Engineering 2024-25	15
UFMFWS-15-3	Emerging Automotive Technology 1 2024- 25	15

UFMFCL-15-3	Engineering and Society 2024-25	15
UFMFSL-15-3	Integrated Electro-Mechanical Systems 2024-25	15
UFMF7K-15-3	Materials and Structures for Special Applications 2024-25	15
UFMFP9-15-3	Mechanics of Materials 2024-25	15
UFMFTA-15-3	Thermofluid Systems 2024-25	15
UFMFVS-15-3	Vehicle Dynamics 2024-25	15
UFMFXJ-15-3	Vibrational Dynamics 2024-25	15

Year 4

Part time students must take 75 credits from the modules in Year 4. Full time students must take 120 credits from the modules in Year 4. Sandwich students must take 105 credits from the modules in Year 4.

Year 4 Compulsory Modules (Full Time)

Full time students must take 60 credits from the modules in Compulsory Modules (Full Time).

Module Code	Module Title	Credit
UFMF8T-60-M	Masters Group Capstone Project 2025-26	60

Year 4 Compulsory Modules (Part Time)

Part time students must take 60 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
UFMFTS-30-2	Applied Thermofluids 2025-26	30
UFMFQS-15-2	Engineering Practice 2 2025-26	15
UFMFRS-15-2	Engineering Research 2025-26	15

Year 4 Compulsory Modules (Sandwich)

Sandwich students must take 45 credits from the modules in Compulsory Modules (Sandwich).

Module Code	Module Title	Credit
UFMFX8-30-3	Engineering Project 2025-26	30
UFMFV8-15-3	Group Design and Integration Project 2025- 26	15

Year 4 Optional Modules (Full Time)

Full time students must select 60 credits from the modules in Optional Modules (Full Time).

Module Code	Module Title	Credit
UFMFTL-15-M	Advanced Mechatronics 2025-26	15
UFMF9T-15-M	Advanced Vehicle Dynamics 2025-26	15
UFMFWL-15-M	Computational Fluid Dynamics 2025-26	15
UFMEEC-15-M	Concurrent Engineering and Design for Manufacture 2025-26	15
UFMENU-15-M	Design of Fluid Systems 2025-26	15
UFMFAT-15-M	Emerging Automotive Technology 2 2025- 26	15
UFMFVL-15-M	Mechanics of Composites 2025-26	15
UFMEE8-15-M	Principles of Lean Engineering 2025-26	15
UFMEBP-15-M	Structural Integrity in Design 2025-26	15

Year 4 Optional Modules (Part Time)

Part-time students must take 15 credits from Optional Modules.

Module Code	Module Title	(Credit

UFMFYJ-15-3	Control Engineering 2025-26	15
UFMFSL-15-3	Integrated Electro-Mechanical Systems 2025-26	15
UFMFVS-15-3	Vehicle Dynamics 2025-26	15
UFMFXJ-15-3	Vibrational Dynamics 2025-26	15

Year 4 Optional Modules (Sandwich)

Sandwich students must select 60 credits from module in Optional Modules (Sandwich) and may select a maximum of 15 credits from each of the following combinations:

UFMFU6-15-3 Composite Engineering OR UFMF7K-15-3 Materials and Structures for Special Applications

UFMF7T-15-3 Advanced Heat Transfer OR UFMFTA-15-3 Thermofluid Systems

UFMFXJ-15-3 Vibrational Dynamics OR UFMFVS-15-3 Vehicle Dynamics

UFMFYS-15-3 Advanced Manufacturing Technology OR UFMFP9-15-3 Mechanics of Materials

UFMFSL-15-3 Integrated Electromechanical Systems OR UFMFYJ-15-3 Control Engineering

Module Code	Module Title	Credit
UFMF7T-15-3	Advanced Heat Transfer 2025-26	15
UFMFYS-15-3	Advanced Manufacturing Technology 2025- 26	15
UFMFU6-15-3	Composite Engineering 2025-26	15
UFMFYJ-15-3	Control Engineering 2025-26	15
UFMFWS-15-3	Emerging Automotive Technology 1 2025- 26	15
UFMFCL-15-3	Engineering and Society 2025-26	15

UFMFSL-15-3	Integrated Electro-Mechanical Systems 2025-26	15
UFMF7K-15-3	Materials and Structures for Special Applications 2025-26	15
UFMFP9-15-3	Mechanics of Materials 2025-26	15
UFMFTA-15-3	Thermofluid Systems 2025-26	15
UFMFVS-15-3	Vehicle Dynamics 2025-26	15
UFMFXJ-15-3	Vibrational Dynamics 2025-26	15

Year 5

Part time students must take 75 credits from the modules in Year 5. Sandwich students must take 120 credits from the modules in Year 5.

Year 5 Compulsory Modules (Part Time)

Part time students must take 15 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
UFMFV8-15-3	Group Design and Integration Project 2026- 27	15

Year 5 Compulsory Modules (Sandwich)

Sandwich students must take 60 credits from the modules in Compulsory Modules (Sandwich).

Module Code	Module Title	Credit
UFMF8T-60-M	Masters Group Capstone Project 2026-27	60

Year 5 Core Optional Modules (Part Time)

Part time students must take 15 credits from Core Optional Modules (Part Time).

Module Code	Module Title	Credit
UFMF89-15-3	Industrial Placement 2026-27	15

UFMFNQ-15-3 Professionalism for Engineers 2026-27 15

Year 5 Optional Modules (Sandwich)

Sandwich students must select 60 credits from the modules in Optional Modules (Sandwich).

Module Code	Module Title	Credit
UFMFTL-15-M	Advanced Mechatronics 2026-27	15
UFMF9T-15-M	Advanced Vehicle Dynamics 2026-27	15
UFMFWL-15-M	Computational Fluid Dynamics 2026-27	15
UFMEEC-15-M	Concurrent Engineering and Design for Manufacture 2026-27	15
UFMENU-15-M	Design of Fluid Systems 2026-27	15
UFMFAT-15-M	Emerging Automotive Technology 2 2026- 27	15
UFMFVL-15-M	Mechanics of Composites 2026-27	15
UFMEE8-15-M	Principles of Lean Engineering 2026-27	15
UFMEBP-15-M	Structural Integrity in Design 2026-27	15

Year 5 Optional Modules 2 (Part Time)

Part time students must take 45 credits from the modules in Optional Modules.

Students may select a maximum of 15 credits from each of the following combinations:

UFMFU6-15-3 Composite Engineering OR UFMF7K-15-3 Materials and Structures for Special Applications

UFMF7T-15-3 Advanced Heat Transfer OR UFMFTA-15-3 Thermofluid Systems

UFMFYS-15-3 Advanced Manufacturing Technology OR UFMFP9-15-3 Mechanics of Materials

UFMFXJ-15-3 Vibrational Dynamics OR UFMFVS-15-3 Vehicle Dynamics

UFMFYS-15-3 Advanced Manufacturing Technology OR UFMFP9-15-3 Mechanics of Materials

UFMFSL-15-3 Integrated Electromechanical Systems OR UFMFYJ-15-3 Control Engineering

Module Code	Module Title	Credit
UFMF7T-15-3	Advanced Heat Transfer 2026-27	15
UFMFYS-15-3	Advanced Manufacturing Technology 2026- 27	15
UFMFU6-15-3	Composite Engineering 2026-27	15
UFMFWS-15-3	Emerging Automotive Technology 1 2026- 27	15
UFMFCL-15-3	Engineering and Society 2026-27	15
UFMF7K-15-3	Materials and Structures for Special Applications 2026-27	15
UFMFP9-15-3	Mechanics of Materials 2026-27	15
UFMFTA-15-3	Thermofluid Systems 2026-27	15

Year 6

Part time students must take between 60 and 90 credits from the modules in Year 6.

Year 6 Compulsory Modules (Part Time)

Part time students must take 30 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
UFMFX8-30-3	Engineering Project 2027-28	30

Year 6 Optional Modules (Part Time)

Part time students must take 45 credits from Optional Modules (Part Time).

Module Code	Module Title	Credit
UFMFTL-15-M	Advanced Mechatronics 2027-28	15
UFMF9T-15-M	Advanced Vehicle Dynamics 2027-28	15
UFMFWL-15-M	Computational Fluid Dynamics 2027-28	15
UFMENU-15-M	Design of Fluid Systems 2027-28	15
UFMFVL-15-M	Mechanics of Composites 2027-28	15
UFMEBP-15-M	Structural Integrity in Design 2027-28	15

Year 7

Part time students must take between 60 and 90 credits from the modules in Year 7.

Year 7 Compulsory Modules (Part Time)

Part time students must take 60 credits from the modules in Compulsory Modules (Part Time).

Module Code	Module Title	Credit
UFMF8T-60-M	Masters Group Capstone Project 2028-29	60

Year 7 Optional Modules (Part Time)

Part-time students must take remaining options to total 60 over years 6 and 7 from Optional Modules

Module Code	Module Title	Credit
UFMEEC-15-M	Concurrent Engineering and Design for Manufacture 2028-29	15
UFMFAT-15-M	Emerging Automotive Technology 2 2028- 29	15
UFMEE8-15-M	Principles of Lean Engineering 2028-29	15

Part C: Higher Education Achievement Record (HEAR) Synopsis

Graduates of this programme will be equipped with a broad understanding of mechanical analysis and design, combined with knowledge of engineering practice, information technology and project management.

The programme produces graduates with a broad-based 'systems' approach to engineering problem solving. Graduates from this programme will be equipped to work in multi-disciplinary teams, able to critically appraise existing ideas and practice and produce creative solutions to engineering problems.

Part D: External Reference Points and Benchmarks

QAA UK Quality Code for HE Framework for higher education qualifications (FHEQ) Subject benchmark statement for Higher Education qualifications in engineering (Feb 2015) Strategy 2030 University policies Staff research projects Relevant PSRB requirements: AHEP3 Industrial Advisory Board

Part E: Regulations

Approved variant to University Academic Regulations and Procedures

Page 20 of 22 30 May 2025 The 480 credit integrated Bachelor / Masters degree (or 600 credit integrated Bachelor / Masters with foundation year) is not classified, but may be awarded with merit or distinction.

The award of merit or distinction in Mechanical Engineering is determined as follows:

Distinction

An overall average of 70% has been achieved across 210 credits at level 6 or above. This average will be calculated based upon the marks for all of the level 7 modules and at level 6, must include the marks and whole credit for the project followed by the marks for the best remaining level 6 modules which are then required to make up the credit total.

Merit

An overall average of 60% has been achieved across 210 credits at level 6 or above. This average will be calculated based upon the marks for all of the level 7 modules and at level 6, must include the marks and whole credit for the project followed by the marks for the best remaining level 6 modules which are then required to make up the credit total.

Condoned Credit

Approved to variant University Academic Regulations and Procedures.

The following variant regulation for condoned credit (E4) applies to students on this award which has been accredited by a PSRB that comes under the auspices of Engineering Council UK.

The variant applied to Level 4 September 2020 intake onwards.

The permitted maximum condoned credit is 30 credits for a Bachelors or Integrated Masters degree and a maximum of 20 credits in a Masters degree.

The awarding of condoned credit may be considered for an overall module mark in

Page 21 of 22 30 May 2025

the range 30% to 39%.

As a consequence Engineering Council UK regulations about the offer of excused credit for modules critical to the awarding of accreditation, excused credit will not be available on this award.