

**Programme Specification for Undergraduate Programme
Leading to:
BSc/MDes (Hons) Product Design Engineering
BSc/MDes (Hons) Product Design Engineering with Placement**



Applicable for all undergraduate students **starting at FHEQ Level 4 in 2022**

Version No.	Date	Notes – QA USE ONLY	QA
2022-23 v0.1	27 July 2021	New programme and award approved by Senate (Chairman's action) on 23 July 2021. Programme to commence in September 2022.	JP

Undergraduate Programme	
1. Awarding institution	Brunel University London
2. Teaching institution(s)	Brunel University London
3. Home college/department/division	College of Engineering, Design and Physical Sciences / Brunel Design School
4. Contributing college/department/division /associated institution	Brunel Pathway College (BPC) for Foundation Year (see section 25)
5. Programme accredited by	To be submitted to the Institution of Engineering Designers (IED)
6. Final award(s) and FHEQ Level of Award	BSc (Hons) Product Design Engineering (FHEQ level 6) BSc (Hons) Product Design Engineering with Placement (FHEQ level 6) MDes (Hons) Product Design Engineering (FHEQ level 7) MDes (Hons) Product Design Engineering with Placement (FHEQ level 7)
7. Programme title	BSc/MDes Product Design Engineering
8. Programme type (Single honours/joint)	Single honours
9. Normal length of programme (in months) for each mode of study	BSc-36 months FT; 48 months thick sandwich mode MDes-48 months FT; 60 months thick sandwich mode
10. Maximum period of registration for each mode of study	Normal or standard duration plus 3 years
11. Variation(s) to September start	None
12. Modes of study	Standard
13. Modes of delivery	Full-time; Thick sandwich
14. Intermediate awards, titles and FHEQ Level of Award	CertHE Product Design Engineering (FHEQ level 4) DipHE Product Design Engineering (FHEQ level 5) DipHE in Product Design Engineering with Placement (FHEQ level 5) BSc Design (Hons) (Product Design Engineering) (FHEQ level 6) BSc Design (Hons) (Product Design Engineering) with Placement (FHEQ level 6) MDes Design (Hons) (Product Design Engineering) (FHEQ level 7) MDes Design (Hons) (Product Design Engineering) with Placement (FHEQ level 7)
15. UCAS Code	MDes Product Design Engineering (4 year FT) - TBC MDes Product Design Engineering (5 year FSK – with placement) - TBC BSc Product Design Engineering (3 year FT) - WH27 BSc Product Design Engineering (4 year FSK – with placement) - WHF7
16. HECoS Code	100182
17. Route Code	BSc Product Design Engineering - H700USPRDES MDes Product Design Engineering - TBC BPC route code: See Foundation in Design
18. Relevant subject benchmark statements and other external and internal reference points used to inform programme design	UK Quality Code for Higher Education QAA Subject Benchmark Statement for Art and Design QAA Subject Benchmark Statement for Engineering The Framework for Higher Education Qualifications The Institution of Engineering Designers Accreditation Guidance Brunel University London Programme Approval Policy Brunel University London 2030 Brunel Placement Learning Policy, as published under the 'Placements' section of the ' Managing Higher Education Provision with Others ' page.
19. Admission Requirements	Details of entry requirements are provided on the University's and College website. Levels of English for non-native speakers are outlined on the language requirements page.

20. Other relevant information (e.g. study abroad, additional information on placements)	Students undertaking 'with Placement' awards will normally be expected to successfully complete at least 44 weeks industrial placement between FHEQ Levels 4 and 5. The placement will be subject to the approval of the Brunel Design School and can be split between several institutions. At the discretion of the responsible Officer, a period of shorter duration than 44 weeks may be acceptable. Part of the placement can be an academic exchange at an overseas university, subject to approval of the Exchange Tutor in Design.
21. Programme regulations not specified in Senate Regulation 2. Any departure from regulations specified in Senate Regulation 2 must be stated here and approved by Senate.	To gain the accredited award, in line with IED/Engineering Council requirements, students registered for the BSc award can have no more than 30 credits at grade band E across the whole programme. For the MDes this restriction is changed to grade band D grade for level 7 only. Students not meeting the 30 credit maximum would transfer to the non-accredited award. Variation to SR2.16 for the L7 MDes Project, DM4002 MDes Dissertation 30 credits instead of 40. Approved on behalf of Senate on 23 July 2021.
22. Further information about the programme is available from the College website	BSc (Hons) Product Design Engineering

23. EDUCATIONAL AIMS OF THE PROGRAMME

The Product Design Engineering programme at Brunel University London aims to develop design engineering graduates that are creative, knowledgeable, have perspective and are professional in their approach. The programme has been designed in response to current industry needs and responsive to emerging developments in society and technology. It will provide students with ethical, aesthetic and business awareness with strong technical knowledge and specialist understanding of engineering and manufacturing aspects of design. Graduates will have a pragmatic and creative approach to problem solving, being confident in numeric and logical reasoning, skilled in physical and digital prototyping, and motivated in lifelong learning.

24. PROGRAMME AND INTERMEDIATE LEARNING OUTCOMES

The programme provides opportunities for students to develop and demonstrate knowledge and understanding (K) cognitive (thinking) skills (C) and other skills and attributes (S) in the following areas:

FHEQ Level	Category (K = knowledge and understanding, C = cognitive (thinking) skills, S = other skills and attributes)	Learning Outcome	Associated Assessment Blocks Code(s)	Associated Study Blocks Code(s)	Associated Modular Blocks Code(s)
FHEQ Level 4					
K		Define how design for sustainability principles and tools can be integrated and used in different design processes and knowledge of the environmental and socio-ethical challenges.	DM1003 (Core)	DMAAA2 DMAAA3	
		Understand and recognise the IP context, development and impact of existing Design and future product interventions.	DM1003 (Core)	DMAAA2	
		Have a sound knowledge of electronic and mechanical engineering principles and associated theories for Product Design Engineering applications.			DMAAA1 (Core) DMAAA5
C		Consider the use of relevant Engineering approaches to solve problems or to improve existing solutions.			DMAAA1 (Core) DMAAA5
		Have an appreciation of commercial awareness, including business models and opportunities for entrepreneurship.	DM1003 (Core)	DMAAA3	
		Possess analytical and numeracy skills in an Engineering context.	DM1003 (Core)	DMAAA2	DMAAA1 (Core)

		Show an understanding and application of fundamental principles and theories of Design, Manufacturing and Engineering in the context of the design of products.	DM1003 (Core)	DMAAA2 DMAAA3	DMAAA4
	S	Confidently prototype functional solutions based on mechanical and electronic systems	DM1003 (Core)	DMAAA2	DMAAA5
		Communicate tangible and intangible design concepts and outcomes to different audiences.	DM1002	DMAAA2 DMAAA3	
		Demonstrate collaboration and communication across multidisciplinary teams throughout the design process, recognising differing terminology and working methods and considering compromise, integration of client requests and conflict management.	DM1003 (Core)	DMAAA2 DMAAA3	

FHEQ Level 5					
	K	Effectively apply and evaluate the use of Technology in Design, Engineering and Manufacturing practice.			DMBBB4 (Core) DMBBB6
		Prioritisation of project elements to organise and manage the design process, time, data, IP management, design standards.			DMBBB4 (Core) DMBBB6
		Examine the historical origins and development of design, from craft to professional activity, including designers and movements of note across diverse cultures and appraise their influences and position within historical and current societal, cultural, political and ecological contexts.	DM2004	DMBBB2 DMBBB3	DMBBB4 (Core)
	C	Develop suitable computer programming codes for design application using standard computational tools.			DM2305 DMBBB4 (Core)
		Choose market research techniques to analyse organisations, brands and user opinions to identify current and future needs and trends to inform new product development.	DM2004	DMBBB2 DMBBB3	DMBBB4 (Core)
		Systematically evaluate the feasibility of potential design solutions.			DM2305 DMBBB4 (Core)
	S	Order all aspects of the design innovation process, using sketching, modelling and making to develop creative, novel, innovative solutions that respond to briefs and specifications		DMBBB2	DMBBB4 (Core)
		Arrange concepts through 3D CAD models in a range of computer packages for visual comparison, production drawings, technical purposes, rendering and rapid prototyping			DMBBB6 DMBBB4 (Core)
		Produce technological reports in a professional format and communicating through a suitable media.	DM2005	DMBBB3	DMBBB4 (Core)
		Question and recognise design's socio-cultural, environmental, economic, political and technical domains that impact business,	DM2004	DMBBB2 DMBBB3	

		health, politics, technology, sustainability and ethical considerations.			
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Placement					
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	K	Recognising and describing the commercial and economic constraints on a design project			DM2555 (Core)
		Applying design knowledge / tools / techniques in an organisational context			DM2555 (Core)
	C	Demonstrating reflective communication(s) describing professional development experiences			DM2555 (Core)
		Identifying personal and professional development opportunities and implementing a plan to maximise them			DM2555 (Core)
	S	Understanding and explaining effective project management and time planning			DM2555 (Core)
		Delivering self-reflective reports and presentations			DM2555 (Core)

FHEQ Level 6 (* indicates elective module)					
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	K	Extend design for sustainability principles and innovate relevant tools for integration into different design processes and characterise cause and effect on environmental and socio-ethical challenges faced by communities.	DM3003*	DMCCC5*	DM3803 (Core) DMCCC4*
		Thoroughly investigate, analyse and evaluate key technical issues and determining the factors leading to potential solutions.	DM3003*	DMCCC5*	DM3803 (Core) DMCCC1 DMCCC3
	C	Thoroughly interpret design briefs, making rational decisions that lead to clear and achievable Product Design Specifications and outcomes.	DM3003*	DMCCC5*	DM3803 (Core)
		Holistically consider and integrate environmental requirements for design briefs and Product Design Specifications.	DM3004*	DMCCC5*	DM3803 (Core) DMCCC4*
		Make critical judgements, framing and proposing solutions to problems, as well as using Engineering approaches towards problem solving.	DM3003*	DMCCC5*	DM3803 (Core) DMCCC1
		Use robust design methods, techniques, tools and strategies to discover, interpret and articulate user requirements and Product Design Specifications.	DM3003*	DMCCC5*	DM3803 (Core) DMCCC1 DMCCC6* DMCCC7*
		Design, construct and robustly testing electronic circuits using various electronic boards and microcontrollers to produce design applications.			DM3803 (Core) DMCCC3
		Have the ability in applying circular design principles to conceive products and business models to enable circular economy.	DM3003*	DMCCC5*	DMCCC4*
	S	Plan, organise, coordinate, manage and execute time and resources for effective project development.	DM3004*	DMCCC5*	DM3803 (Core)

		Communicate effectively through persuasion and negotiation with stakeholders including Engineers, Designers and non-technical specialists.	DM3003*	DMCCC5*	DM3803 (Core)
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FHEQ Level 7 (* indicates elective module)

	K	Demonstrate the use of a range of tools and techniques to research and investigate complex challenges and problems; discover design opportunities and define, validate, and articulate project briefs.	DM4001 DM4003 DM4004	DMDDD1* DMDDD2* DMDDD3* DMDDD4* DMDDD5 DMDDD6 DMDDD7	
		Demonstrate a critical understanding of methodologies, design knowledge, and awareness of contemporary issues informed by the forefront of social and technology development and the professional practice of design.	DM4001 DM4002 (Core)	DMDDD6 DMDDD7	
	C	Create appropriate and practical design outcomes, to a professional or equivalent level, through reliable and strategic research approaches.	DM4001 DM4004	DMDDD1* DMDDD2* DMDDD3* DMDDD4* DMDDD5 DMDDD6 DMDDD7	
		Effectively communicate design and research processes demonstrating sound reasoning with high visual quality.	DM4002 (Core) DM4003	DMDDD1* DMDDD2* DMDDD3* DMDDD4* DMDDD5 DMDDD6	
		Critically evaluate and justify methods and techniques applicable to specific design research topics and develop critiques with sound reasoning.	DM4001 DM4002 (Core)	DMDDD6 DMDDD7	
		Justify appropriate research methodologies and demonstrate an ability to apply both qualitative and quantitative techniques for data collection and analysis.	DM4001 DM4002 (Core)	DMDDD6 DMDDD7	
	S	Independently conceive, develop, and realise a self-directed professional portfolio.	DM4003 DM4004	DMDDD1* DMDDD2* DMDDD3* DMDDD4* DMDDD5 DMDDD6	
		Demonstrate originality in the application of knowledge with a practical understanding of how established techniques of research and enquiry can be used to create and interpret knowledge in the discipline.	DM4001 DM4002 (Core)	DMDDD1* DMDDD2* DMDDD3* DMDDD6 DMDDD7	
		Demonstrate self-direction and originality in identifying opportunities and tackling and solving problems, and to act autonomously in planning and implementing tasks at a professional level.	DM4003 DM4004	DMDDD1* DMDDD2* DMDDD3* DMDDD4* DMDDD5 DMDDD6 DMDDD7	
		Demonstrate ability to continue professional development and seek lifelong learning.	DM4002 (Core) DM4004	DMDDD4* DMDDD7	

Learning/teaching strategies and methods to enable learning outcomes to be achieved, including formative assessments

To enable learning outcomes to be achieved, knowledge and understanding are acquired through a combination of lectures and tutor-led activities such as studio-based learning, group tutorials, laboratory sessions, computing sessions, manufacturing workshops, and guided independent study. Cognitive skills are developed through a teaching and learning programme based on theoretical knowledge and understanding and taking knowledge from different subject domains and applying it in a holistic approach to problem framing and solving. The practical, professional and transferable skills are developed throughout the programme where workshop-based skills are taught by experienced technicians in a safe workshop environment providing hands-on practice and exercises. Other practical skills such as Computer-Aided Design, graphics, User Experience (UX), and digital analysis skills are also taught using industry-standard software. At every level, the students are encouraged to learn through discussion with tutors and their peers that provide opportunities for formative feedback. Presentation skills and group work is expected to be developed through practical assignments and from informal tutorial and peer-to-peer sessions. Writing skills are mainly developed through regular feedback from written assignments such as project reports and dissertations. Transferrable lifelong skills such as time and project management are learned through the experience of undertaking coursework and projects.

At FHEQ Level 4, the Product Design Engineering programme provides students with an introduction to the fundamental knowledge required to develop design solutions, in particular Electronics and Mathematics. At this level, students will study modules including Design Process & Research; Design Communication; Materials and Manufacturing; and Introduction to CAD and Mechanics in Design. Students will develop confidence in the design and engineering development process through these modules structured to build their design knowledge and technical competency.

At FHEQ Level 5, the engineering content is extended, and the knowledge is applied to a range of mechanical and electronic systems, in particular, Electronic Systems, Programming & Interfacing to build upon their specialism. At this level, students will study Business, Innovation and Sustainability; UX Design & Graphics; Design for Manufacture and Advanced CAD, and Design Practice and Minor Project. Students will be expected to be confident in applying technical, user-centred, business and sustainable design skills in solving problems. DMBBB5 Preparation for Professional Practice module will also better prepare students who have opted for a placement year that often takes place between Levels 5 and 6.

At FHEQ Level 6, the mastery of engineering is further extended through the specialist subject area of Product Design Engineering Analysis, and Embedded Systems for Product Design, also enabling learners to be specialist in a choice of optional modules such as Integrated Human Factors, Advanced Sustainable Design; Advanced Innovation Design; or Advanced UX and Interaction Design. The Product Design Engineering Major Project allows students to conduct an individual research and development project of their choice. It is intended to provide students with an opportunity to demonstrate the integration of their technical abilities and manufacturing understanding together with abilities in project planning, management and communication, as well as the professional and ethical responsibilities of an engineering designer.

At FHEQ Level 7, all the design knowledge and skills are synthesised at a higher level, with systematic training of research methods and in-depth exploration of emerging technology topics, with other elective modules addressing specialised design areas which aims to enhance the graduates' contextual analysis and critical reflection skills and enhance their professional practice. MDes major Projects will be either self-defined or in collaboration with external partners. Design Research will equip graduates with advanced problem-framing, data collection and analysis, reasoning and communication skills required for a Master of Design (MDes) degree. Students will also have the option of modules such as Design Strategy & Entrepreneurship; Design for Sustainability Innovation; Inclusive Design; Independent Study; and New Technologies.

25. Programme Structure, progression and award requirements

Programme structures and features: levels, assessment blocks, credit and progression and award requirements

- **Compulsory block:** one which all students registered for the award are required to take as part of their programme of study. These will be listed in the left hand column;
- **Optional block:** one which the student will choose from an 'option range'. These will be listed in the right hand column;
- A **core assessment** is an assessment identified within an assessment block or modular block (either compulsory or optional) which must be passed (at grade D- or better) in order to be eligible to progress and to be eligible for the final award. All core assessments must be specified on the programme specification next to the appropriate assessment or modular block:
- Where students are expected to pass the block at D- or better, but not necessarily all elements, then the block itself is core, e.g. AB3000 Project (40) Core: Block
- Where only some elements of assessments are required to be passed at D- or better, these will be identified by listing each element that is core, e.g. ABXXX1 Title (XX credits) Core: 1 & 4
- Where students are expected to pass all assessments in a block then this will be identified. By setting the assessment this way, students are also required to pass the block by default. This will be identified thus: e.g. ABXXXX Title (XX credits) Core: All, Block

- A **non-core assessment** does not have to be passed at grade D- or better, but must be better than a grade F, in order to progress and to be eligible for the final award.

Summative assessment strategies and methods to enable learning outcomes to be demonstrated

To enable learning outcomes to be demonstrated, engineering and technical knowledge and understanding are tested by means of a range of assessment tasks including, written and viva voce examinations, laboratory reports, written coursework, individual and group design projects, problem solving exercises, structured assignments, oral presentations and computer aided projects.

The range of assessment methods listed above forms the basis for assessment throughout the programme. Students will be expected to document, critically discuss, demonstrate and reflect their approaches and methods used to solve design problems, as well as their proposed engineering solutions. In written reports, students will be expected to have researched and critically analyzed material gathered, appropriate to the level.

Where practical skills are taught on the programme, these will be assessed by coursework requiring the demonstration and application of that skill such as where workshop skills are tested by the production of various artefacts using materials such as wood, metal, plastic; as well as through the production processes using manual, mechanically assisted and digitally controlled manufacturing. Computing skills will be assessed using suitable programs or simulation software, depending on the Learning Outcomes required. Group projects are expected to be used in various assessments to allow students to demonstrate their ability to work in teams. The ability of students to manage time and resources is demonstrated by requesting the submission of work by specified firm deadlines, with late work being penalized in the mark awarded.

Linkages with study and assessment blocks will ensure that learning outcomes are not duplicated, but instead enhanced to allow students to make connections, apply and draw references from those study blocks. The assessment blocks and associated study blocks are:

Assessment Block	Associated Study Block
DM1002 Design Journal & Workshop Practice	DMAAA2 Design Process & Research DMAAA3 Design Communication
DM1003 Studio Practice and Portfolio	DMAAA2 Design Process & Research DMAAA3 Design Communication
DM2004 Business & User Experience	DMBBB2 Business, Innovation & Sustainability DMBBB3 UX Design & Graphics
DM2005 Sustainable Design Communication	DMBBB2 Business, Innovation & Sustainability DMBBB3 UX Design & Graphics
DM3003 Innovation Opportunity Identification DM3004 Innovation Solution Delivery	DMCCC5 Advanced Design Innovation
DM4001 MDes Design Process	DMDDD6 Design Research DMDDD7 MDes Project
DM4002 MDes Dissertation	DMDDD6 Design Research DMDDD7 MDes Project
DM4003 Professional Portfolio	DMDDD1 Design Strategy & Entrepreneurship DMDDD2 Design for Sustainability Innovation DMDDD3 Inclusive Design DMDDD4 Independent Study DMDDD5 New Technologies DMDDD6 Design Research
DM4004 Reflective Portfolio	DMDDD1 Design Strategy & Entrepreneurship DMDDD2 Design for Sustainability Innovation DMDDD3 Inclusive Design DMDDD4 Independent Study DMDDD5 New Technologies DMDDD6 Design Research

L0 Foundation Level

The Foundation Level structure available to international students is specified in document "Validated Programme Element Specification for BPC Foundation Year in Design". These documents also specify the admission and progression requirements.

FHEQ Level 4

Compulsory assessment block codes, titles and credit	Optional assessment block codes, titles and credits
DM1002 Design Journal & Workshop Practice (20 credits) DM1003 Studio Practice and Portfolio (30 credits) - Core: Block	None
Compulsory study block codes, titles and credit volume	Optional Study block codes, titles and credit volume
DMAAA2 Design Process & Research (30 credits) DMAAA3 Design Communication (20 credits)	None

Compulsory modular block codes, titles and credits DMAAA1 Electronics and Mathematics (30 Credits) - Core: Block DMAAA4 Materials and Manufacturing (20 Credits) DMAAA5 Introduction to CAD and Mechanics (20 Credits)	Optional modular block codes, titles and credits None
FHEQ Level 4 Progression and Award Requirements As per Senate Regulation 2	
A maximum of 30 credits in a Bachelors or integrated Masters degree programme can be compensated (failed at grade band E) for an accredited award – see box 21 above.	

FHEQ Level 5	
Compulsory assessment block codes, titles and credits DM2004 Business & User Experience (20 credits) DM2005 Sustainable Design Communication (20 credits)	Optional assessment block codes, titles and credits None
Compulsory study block codes, titles and credit volume DMBBB2 Business, innovation & Sustainability (20 credits) DMBBB3 UX Design & Graphics (20 credits)	Optional Study block codes, titles and credit volume None
Compulsory modular block codes, titles and credits DM2305 Electronic systems, Programming & Interfacing (20 Credits) DMBBB4 Design Practice and Minor Project (30 Credits) - Core: Block DMBBB6 Design for Manufacturing & Advanced CAD (30 Credits)	Optional modular block codes, titles and credits None
FHEQ Level 5 Progression and Award Requirements As per Senate Regulation 2	
A maximum of 30 credits in a Bachelors or integrated Masters degree programme can be compensated (failed at grade band E) for an accredited award – see box 21 above.	

FHEQ Level 5 – Sandwich Placement	
Compulsory assessment block codes, titles and credits None	Optional assessment block codes, titles and credits None
Compulsory study block codes, titles and credit volume DMBBB5 Preparation for Professional Practice (0 credits)	Optional study block codes, titles and credit volume None
Compulsory modular block codes, titles and credits This modular block is only a requirement for the 'with Placement' awards. DM2555 Professional Practice Industrial Experience (120 credits) - Core: Block	Optional modular block codes, titles and credits None
FHEQ Level 5 Placement Progression and Award Requirements As per Senate Regulation 2	
For BSc (Hons) Product Design Engineering with Placement, DM2555 Professional Practice Industrial Experience will contribute 25% of the FHEQ Level 5 profile and 8.3% of the overall degree calculation.	

FHEQ Level 6	
Compulsory assessment block codes, titles and credits	Optional assessment block codes, titles and credits DM3003 Innovation Opportunity Identification (20 credits) DM3004 Innovation Solution Delivery (20 credits)
Compulsory study block codes, titles and credit volume None	Optional study block codes, titles and credit volume None
Compulsory modular block codes, titles and credits DM3803 PDE Major Project (40 Credits) - Core: Block DMCCC1 Product Design Engineering Analysis (20 Credits) DMCCC3 Embedded Systems for Product Design (20 Credits)	Optional modular block codes, titles and credits Choose 40 credits from: DMCCC4 Advanced Design for Sustainability (20 credits) DMCCC5 Advanced Design Innovation (40 credits) DMCCC6 Advanced UX & Interaction Design (20 credits) DMCCC7 Integrated Human Factors (20 credits)

FHEQ Level 6 Progression and Award Requirements[As per Senate Regulation 2](#)

A maximum of 30 credits in a Bachelors or integrated Masters degree programme can be compensated (failed at grade band E) for an accredited award – see box 21 above.

For BSc (Hons) Product Design Engineering with Professional Practice, DM2555 Placement will contribute 8.3% of the overall degree classification.

BSc (Hons) in Product Design Engineering 360 credits - FHEQ level 6.

BSc (Hons) in Product Design Engineering with Placement 480 credits – FHEQ level 6.

FHEQ Level 7**Compulsory assessment block codes, titles and credits**

DM4001 MDes Design Process (30 credits)
DM4002 MDes Dissertation (30 credits) - **Core: Block**
DM4003 Professional Portfolio (30 Credits)
DM4004 Reflective Portfolio (30 Credits)

Optional assessment block codes, titles and credits

None

Compulsory study block codes, titles and credit volume

DMDDD5 New Technologies (15 Credits)
DMDDD6 Design Research (30 Credits)
DMDDD7 MDes Major Project (45 Credits)

Optional study block codes, titles and credit volume

Choose 2 options from:
DMDDD1 Design Strategy & Entrepreneurship (15 Credits)
DMDDD2 Design for Sustainability Innovation (15 Credits)
DMDDD3 Inclusive Design (15 Credits)
DMDDD4 Independent Study (15 Credits)

Compulsory modular block codes, titles and credits

None

Optional modular block codes, titles and credits

None

FHEQ Level 7 Progression and Award Requirements[As per Senate Regulation 2](#)

A maximum of 30 credits in a Bachelors or integrated Masters degree programme can be compensated (failed at grade band E for levels 4-6 or at grade band D at level 7) for an accredited award – see box 21 above.

MDes (Hons) Product Design Engineering 480 credits - FHEQ level 7.

MDes (Hons) Product Design Engineering with Placement 600 credits – FHEQ level 7.

For MDes (Hons) Product Design Engineering with Placement, DM2555 Professional Practice Industrial Experience will contribute 25% of the FHEQ Level 5 profile and 5 % of the overall degree calculation. Module DM2555 must be undertaken between Levels 5 & 6 or 6 & 7.

Please note: this specification provides a concise summary of the main features of the programme and the learning outcomes that a student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods can be found in the modular block, assessment and study block outlines and another programme and block information. The accuracy of the information contained in this document is reviewed by the University from time to time and whenever a modification occurs.