



## **Programme Specification**

Product Design {Foundation} [Sep][SW][Frenchay][5yrs]

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## Section 1: Key Programme Details

### Part A: Programme Information

**Programme title:** Product Design {Foundation} [Sep][SW][Frenchay][5yrs]

**Highest award:** BA (Hons) Product Design

**Interim award:** BA Product Design

**Interim award:** DipHE Product Design

**Interim award:** CertHE Product Design

**Awarding institution:** UWE Bristol

**Teaching institutions:** UWE Bristol

**Study abroad:** No

**Year abroad:** No

**Sandwich year:** Yes

**Credit recognition:** No

**School responsible for the programme:** FET Dept of Architecture & Built Environ,  
Faculty of Environment & Technology

**Professional, statutory or regulatory bodies:**

Institution of Engineering Designers (IED)

**Modes of delivery:** Sandwich

**Entry requirements:** For the current entry requirements see the UWE public website.

**For implementation from:** 01 September 2022

**Programme code:** H13H-SEP-SW-FR-H131

## Section 2: Programme Overview, Aims and Learning Outcomes

**Part A: Programme Overview, Aims and Learning Outcomes**

**Overview:** This programme prepares students for successful careers in product design and the design industries.

The General aims of the programme are:

To produce graduates with the capacity to proactively solve problems.

To produce graduates with strong communication skills, who are able to explain their concepts to a diverse audience using a range of media.

To prepare students for progression to further study and/or research into product design or related disciplines.

To produce practitioners with an ethical awareness who can take on contemporary issues and objectively seek new and innovative.

**Features of the programme:** Every year, every student at Level 2 and 3 undertakes a live projects with an industry partner.

At Level 3 every student undertakes an individual major projects with human-centred design briefs created by the students.

The course has a strong focus on industry and knowledge and skills to increase employability within the design industry.

**Educational Aims:** The specific aims of the programme are:

To prepare students for a careers in Product Design.

To produce graduates with a sound understanding of the tools and techniques used to support the product design and development process.

To produce practitioners with the ability to develop initial design concepts into

functional product/service/system models leading to resolved product concepts.

To give students an understanding of product/service/system development tools, materials, manufacturing processes, marketing and business practices.

To develop students with a through understanding of the technologies underpinning effective product/service/system design, realisation and development.

To prepare students for progression to further study and/or research into design or related disciplines.

To develop students' independent study skills and prepare them for lifelong learning experiences.

### **Programme Learning Outcomes:**

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

#### **Knowledge and Understanding**

- A1. Design methods, tools and techniques
- A2. Primary and secondary research techniques
- A3. Materials and processes
- A4. 2 and 3 dimensional communication techniques
- A5. Multimedia tools and techniques
- A6. Product modelling tools and techniques, including. rapid prototyping, hand construction and finishing
- A7. Contextual perspective of product design in western cultures
- A8. The nature of creativity in design and the design process
- A9. Methods and strategies for the generation and evaluation of alternative design solutions

- A10. The contribution and capabilities of IT and computer-based systems for product design, development and optimization
- A11. Applied engineering concepts
- A12. The impact of sustainability upon the process of design

### **Intellectual Skills**

- B1. The formulation of effective approaches to learning
- B2. Critical Thinking
- B3. Analysis
- B4. Synthesis of different types of information
- B5. Evaluation
- B6. Problem Solving
- B7. Appreciate problem contexts
- B8. Balance conflicting objectives

### **Subject/Professional Practice Skills**

- C1. Develop an awareness of group working methods appropriate to the design industries and the benefits of this approach
- C2. Create engineered products/systems that correspond to stated requirements
- C3. Use real and virtual models to develop and refine design concepts
- C4. Develop initial design concepts into functional product descriptions
- C5. Understand the engineering implications of design specifications
- C6. Generate and evaluate alternative design solutions
- C7. Search for, and evaluate, information and solutions using a wide range of information sources – including the www
- C8. Manage multi- disciplinary projects
- C9. Express semantic notions in the development of objects

**Transferable Skills and other attributes**

- D1. Communication skills: to communicate orally or in writing, including, for instance, the results of technical investigations, to peers and/or to “problem owners”
- D2. Self-management skills: to manage one’s own time; to meet deadlines; to work with others having gained insights into the problems of team based project development
- D3. IT Skills in Context (to use software in the context of problem-solving investigations, and to interpret findings)
- D4. Problem formulation: to express problems in appropriate notations
- D5. Progression to independent learning: to gain experience of, and to develop skills in, learning independently of structured class work. For example, to develop the ability to use on-line facilities to further self-study
- D6. Comprehension of professional literature: to read and to use literature sources appropriate to the discipline to support learning activities
- D7. Working with Others: to be able to work as a member of a team; to be aware of the benefits and problems which teamwork can bring

**Assessment strategy:** Assessment strategy to enable the learning outcomes to be achieved and demonstrated:

Students will experience a range of assessment modes; Group and Individual design projects feature strongly, usually assessed by presentation, exhibition and/or direct submission of the design. Coursework is also assessed as; practical projects, written assignments, graphic or visual communication, dissertations and design portfolios.

**Student support:**

**Part B: Programme Structure****Year 1**

The student must take 120 credits from the modules in Year 1.

**Year 1 Compulsory Modules**

The student must take 120 credits from the modules in Compulsory Modules.

| <b>Module Code</b> | <b>Module Title</b>                          | <b>Credit</b> |
|--------------------|--|---------------|
| UBLMLR-30-0        | Context of Design and Development 2021-22    | 30            |
| UBLMYM-30-0        | Foundation Design Communication 2021-22      | 30            |
| UBLML7-30-0        | Foundation Design Studio 2021-22             | 30            |
| UBLMWM-15-0        | Foundation Engineering 2021-22               | 15            |
| UBLMY6-15-0        | Foundation Project in Sustainability 2021-22 | 15            |

**Year 2**

The student must take 120 credits from the modules in Year 2.

**Year 2 Compulsory Modules**

The student must take 120 credits from the modules in Compulsory Modules.

| <b>Module Code</b> | <b>Module Title</b>             | <b>Credit</b> |
|--------------------|---------------------------------|---------------|
| UBLFC8-30-1        | Design Communication 2022-23    | 30            |
| UBLF98-15-1        | Design in Context 2022-23       | 15            |
| UBLFU8-15-1        | Graphic Design 2022-23          | 15            |
| UBLFY9-30-1        | Objects and Experiences 2022-23 | 30            |
| UBLFEA-30-1        | Product Design Studio 1 2022-23 | 30            |

**Year 3**

The student must take 120 credits from the modules in Year 3.

**Year 3 Compulsory Modules**

The student must take 120 credits from the modules in Compulsory Modules.

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Credit</b> |
|--------------------|--|---------------|
| UBLLXA-15-2        | Aesthetics and Product Language 2023-24  | 15            |
| UBLLWA-60-2        | Creative Product Design Studio 2 2023-24 | 60            |
| UBLFS8-15-2        | Engineering for Designers 2023-24        | 15            |
| UBLFD9-15-2        | Materials and Processes 2023-24          | 15            |
| UBLFDA-15-2        | Product CAD 2023-24                      | 15            |

**Year 4**

Sandwich: We recommend that students take this opportunity to do a year-long placement in industry or research.

**Year 4 Compulsory Placement Modules**

The student must take 15 credits from the modules in Compulsory Placement Modules.

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Credit</b> |
|--------------------|-------------------------------------|---------------|
| UBLMG4-15-3        | Work-Based Research Project 2024-25 | 15            |

**Year 5**

The student must take 105 credits from the modules in Year 5.

**Year 5 Compulsory Modules**

The student must take 105 credits from the modules in Compulsory Modules.

| <b>Module Code</b> | <b>Module Title</b>             | <b>Credit</b> |
|--------------------|---------------------------------|---------------|
| UBLFUF-15-3        | Design Futures 2025-26          | 15            |
| UBLFB8-15-3        | Design Research Methods 2025-26 | 15            |



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|             |   |    |
|-------------|---|----|
| UBLF79-45-3 | Individual Project (Product Design) 2025-26 | 45 |
| UBLFFA-30-3 | Product Design Studio 3 2025-26             | 30 |

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### **Part C: Higher Education Achievement Record (HEAR) Synopsis**

This programme prepares students for successful careers in product design and the design industries. Within the programme there is a particular focus on real world experience and preparing young professionals for industry. Graduates are able to demonstrate excellent creative and technical competence, the capacity to critically evaluate complex information and the skills to apply their knowledge in solving challenging product and service design problems.

For Level 0 - The programme will provide an introduction to the relevant skills and experience required by a student embarking upon a career within the design industries and prepare them for Level 1 of the appropriate degree programmes within Product Design and Architecture at UWE.

### **Part D: External Reference Points and Benchmarks**

QAA subject benchmark statements:

QAA Art and Design benchmark statement 2008.

The programme design team has taken special note of the definition of Art and Design, outlined in section 3.1 of the QAA document Subject Benchmark Statement: Art and Design (2008). "Art and design is a subject that embraces an overlapping and changing community of many disciplines. It also engages with many other subjects, including media and communications; the performing arts; the built environment; information technology and computing; engineering; business; and, notably, the history of art, architecture and design." As a product design programme, the Product Design degree is deliberately multi-disciplinary, embracing elements of product design, history, art practice and reference to other disciplines such as engineering and media and communication. This approach has informed the

combination of study modules and the projects contained within them, and seeks to be responsive to changing social needs (such as market forces, design techniques and shifts in practice). This approach has clear links with other strategic drivers, including employability and networking.

In terms of Level 6 (graduating level), requirements such as critical evaluation and the understanding of professional practice issues related to the designer's relationship with clients, markets, users and consumers were key in the development of the studio modules. At the heart of the programme lies the ability to generate ideas independently and/or collaboratively in response to set briefs and/or self-initiative activities. The programme has also taken into consideration the application of information skills to navigate, retrieve, and manage information from a variety of sources and to communicate ideas and information in visual, oral and written forms this is specially evidenced in the Design Research Methods and Aesthetics and Product Language.

In designing this programme, the faculty has drawn upon the following external reference points:

The QAA Benchmark Statement for Engineering:

The QAA Subject Benchmark Statement for Engineering outlines skills and knowledge expected of a graduate in an engineering discipline (Section 4 of the Statement refers), while noting that they should be interpreted in the context of the particular engineering discipline which is being studied. These benchmarks map closely to the skills contained in the learning outcomes for this programme, and hence we have confidence that the programme is in accordance with the precepts of the Statement.

UWE's Learning and Teaching Strategy has informed the faculty's policy for the delivery of its programmes.

The Institute of Engineering Designers (IED) Learning Outcomes document:

The IED Learning Outcomes has provided our benchmark for ensuring that our

students are receiving an education that will enable them to become accredited Product Designers, and go on to seek professional status after graduation.

The programme design team has also looked at:

UWE's 20/20 Strategy

UWE Employability Strategy

QAA code of practice: section 8 Career Education, information, advice and guidance

UWE Widening Participation Strategy

UWE Sustainability Strategy

QAA Education for Sustainable Development

The programme design team has taken full account of the UWE Bristol Strategy 2020, specifically the themes "Ready and able graduates", "Outstanding learning and Strategic partnerships" and "Connections and networks" (the 4th theme of "Research with Impact" has also been considered in relation to this undergraduate degree, especially in terms of research informed teaching, where students are exposed to ideas and techniques which form the research interests of teaching staff, evidenced in the Design Research Methods and Individual Project modules). Further, the Product Design programme is linked with employers, institutions and other bodies throughout the Bristol city region and beyond. Sustainability and behaviour change inform the Product Design programme, explicitly and implicitly: the degree programme focuses its attention on integrating sustainable design in the design process, while also producing graduates who place human-centred at the heart of a creative design process.

Faculty Technology Enhanced Learning (TEL) Strategy (2012-2017). The delivery of the programme has been informed by the Faculty's TEL policy on teaching, learning and assessment including a strong emphasis on formative work, skills development

and innovative approaches to teaching and learning.

Students provide end of module feedback which is incorporated into module actions and development. Students also provide feedback via Student-Staff Forums and Programme Management Committees.

The NSS is thoroughly evaluated and action plans devised to improve performance year on year.

The feedback of External Examiners is valued and key to ensuring a competitive and appropriate offering in the broader academic context.

All modules and programmes are required to produce action focused annual reports to constantly review and enhance teaching and learning within the programme, Staff development and training along with innovation in module delivery and assessment (within the confines of Professional Body requirements where necessary) are strongly encouraged.

The curriculum has been developed to allow access to all involving wider consultation within the faculty and taking on board existing policies.

### **Part E: Regulations**

It is the Award Board's responsibility to determine whether the student's attainment at Level 0 is sufficient to progress to Level 1.

Approved to University Regulations and Procedures (2021/22).

Approved Variant to University Regulations and Procedures (from 2022-23 Award Boards).

The following variant regulation for compensation applies to students on this award which has been accredited by a PSRB that comes under the auspices of the Institution of Engineering Designers (IED).

The variant applied from 2022-23 Award Boards onwards. (Note - Compensation applied to all levels not just new students).

- The permitted maximum compensated credit is 30 credits for a Bachelors or Integrated Masters degree and a maximum of 20 credits in a Masters degree.
  
- The awarding of compensated credit may be considered for an overall module mark in the range 30% to 39% for Levels 4-6 and 40%-49% for Level 7.

No excused credit.