



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Industrial Placement		
Module Code	UFMF89-15-3	Level	Level 6
For implementation from	2022-23		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Engineering, Design and Mathematics
Department	FET Dept of Engin Design & Mathematics		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Overview:</b> This module requires the student to take on a substantial period of supervised work experience, relevant to their academic programme of study, in a professional environment (referred to below as a “placement”). The precise details of the job requirements involved are negotiated and agreed between employer and student, with assistance and advice from the University as needed.</p> <p>Students are expected to demonstrate professional success in working to the employer’s brief, and to reflect critically on the work experience in relation to their academic programme and their personal and career development.</p> <p>Students will be able to identify personal, professional development goals, review evidence to demonstrate their professionalism and develop an initial career plan. Students will reflect upon their strengths and areas for improvement and understand relevant professional requirements. The output from this activity will be an initial portfolio that can then be updated throughout their career.</p> <p>Students are encouraged to seek their own work experience, and/or access the opportunities promoted via the University in association with employers.</p> <p>A range of further support services is generally made available to prospective candidates, including briefing materials including advice from the Module Leader, UWE Careers Service and Placements Team about placement expectations, employability, job-seeking, interview skills, etc.</p>

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Advice and information on the criteria for suitability of prospective placements is made available, and all placements are subject to prior approval by the Module Leader in accordance with an advertised procedure.

**Features:** Module Entry Requirements: 210 credits of which 90 must be at level 2 or above

**Educational Aims:** The aim of this module is to use a substantive work-based experience to develop a sound basis for understanding the role of the engineer or mathematical scientist in an appropriate professional environment.

**Outline Syllabus:** Outline syllabus:

The professional environment  
Professional behaviours and working with others  
Personal skills analysis and reflective practice  
Career planning tools  
Performance diagnostic tools  
Equality and diversity, the inclusive workplace  
Ethics  
Continuing Professional Development  
Professional literature  
Emerging issues in their discipline/technology domain.

**Teaching and Learning Methods:** Scheduled learning includes seminars, and workshops at level 1 and 2 to encourage students to find placements. Pre-departure briefings are held for those who achieve placements.

Independent Placement learning includes hours engaged with essential reading, understanding of the placement environment and its business position, assignment preparation and completion etc.

The contact time is made up of online, real-time or email-based tutor advice and support, plus online student group discussion board and virtual learning environment support and workplace learning and research activities, supplemented where possible by a tutor visit and/or synchronous student-student or student-staff sessions.

The placement will involve a workplace supervisor to support and encourage personal and career development as well as monitor the student's professional performance in accordance with company norms. The employer is encouraged to support or accommodate the student's broader development, for example through relevant training opportunities and some time out for study, self-directed and reflective work. The opportunity for the student to experience a variety of job roles within the workplace is also encouraged where practicable.

The academic work employs a distance learning approach to self-managed project-based learning in parallel with the work experience.

An individual tutor provides academic supervision and support, which may include a site visit as well as distance learning support. Tutors generally act as facilitators of independent self-managed learning and resource discovery.

### Part 3: Assessment

An individual e-portfolio is maintained over the whole module as a 'container' for academic outputs at regular intervals, as evidence of professional work in progress, and to track and reflect on professional and personal development.

The student takes responsibility for defining their own study plan and project management methodology at the start of the module, and is given flexibility in planning his/her academic work to synchronize effectively with professional and personal commitments.

Portfolio submissions are scheduled in advance, then submitted and assessed preliminarily as the module progresses. This provides for embedded formative feedback as well as summative assessment through the module, taking into account the quality of the student's reflective thinking and employer feedback on professional standards and achievements.

These submissions consist of:

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<p>a) Two Log Books, one each in the Autumn and Spring semesters, to review progress and reflection to date</p> <p>b) Interim Report including skills matrix: to see how students are developing within the placement and their initial reflection on career progression</p> <p>c) Final report and updated skills matrix: to see the student's evaluation and reflection about the placement. This will also contain research around competency development and culminate in an initial career plan.</p>			
<b>First Sit Components</b>	<b>Final Assessment</b>	<b>Element weighting</b>	<b>Description</b>
Report - Component A		20 %	Interim report and skills matrix
Reflective Piece - Component A		5 %	Log book 1
Reflective Piece - Component A		5 %	Log book 2
Report - Component A	✓	70 %	Final report, updated skills matrix and initial career plan
<b>Resit Components</b>	<b>Final Assessment</b>	<b>Element weighting</b>	<b>Description</b>
Portfolio - Component A	✓	100 %	Portfolio

### Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	<b>Module Learning Outcomes</b>	<b>Reference</b>
	Create, implement and evaluate a plan for professional development	MO1
	Critically examine industry requirements via UK-SPEC for Engineers, in relation to your own professional development	MO2
	Discuss and critically appraise relevant literature about the impact of engineering in society	MO3
	Reflect on the importance of people and behaviours in the engineering process, based on your learning and development in the workplace.	MO4
Contact Hours	<b>Independent Study Hours:</b>	
	Independent study/self-guided study	114
	<b>Total Independent Study Hours:</b>	114
	<b>Scheduled Learning and Teaching Hours:</b>	
	Face-to-face learning	36
	<b>Total Scheduled Learning and Teaching Hours:</b>	36
	<b>Hours to be allocated</b>	150
	<b>Allocated Hours</b>	150

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Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p><a href="https://uwe.rl.talis.com/modules/ufmf89-15-3.html">https://uwe.rl.talis.com/modules/ufmf89-15-3.html</a></p>
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### Part 5: Contributes Towards

This module contributes towards the following programmes of study:

Aerospace Engineering [Sep][SW][Frenchay][4yrs] BEng (Hons) 2020-21

Aerospace Engineering [Sep][SW][Frenchay][5yrs] MEng 2020-21

Aerospace Engineering with Pilot Studies [Sep][SW][Frenchay][4yrs] BEng (Hons) 2020-21

Aerospace Engineering with Pilot Studies [Sep][SW][Frenchay][4yrs] MEng 2020-21

Aerospace Engineering (Design) {Apprenticeship} [Sep][PT][UCW][4yrs] BEng (Hons) 2019-20

Mathematics {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2019-20

Robotics {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering with Pilot Studies (Design) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering with Pilot Studies (Manufacturing) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering with Pilot Studies (Systems) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering (Design) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering (Manufacturing) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Aerospace Engineering (Systems) {Foundation} [Sep][SW][Frenchay][5yrs] BEng (Hons) 2019-20

Mechanical Engineering [Sep][PT][Frenchay][7yrs] MEng 2018-19

Interior Architecture (International) {Foundation} [Sep][SW][Frenchay][6yrs] BA (Hons) 2018-19

Mechanical Engineering [Sep][PT][COBC][6yrs] BEng 2018-19

Mechanical Engineering {Apprenticeship} [Sep][PT][Frenchay][6yrs] BEng 2018-19

Mechanical Engineering [Sep][PT][Frenchay][6yrs] BEng 2018-19

Aerospace Engineering [Sep][PT][Frenchay][8yrs] MEng 2018-19

Aerospace Engineering [Sep][PT][UCW][8yrs] MEng 2018-19