Module Specification

Industrial Placement

Version: 2025-26, v3.0, Approved

Contents

Part 1: Information

Module title: Industrial Placement

Module code: UFMF89-15-3

Level: Level 6

For implementation from: 2025-26

UWE credit rating: 15

ECTS credit rating: 7.5

College: College of Arts, Technology and Environment

School: CATE School of Engineering

Partner institutions: None

Field: Engineering, Design and Mathematics

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: The student is required 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 approval from the University provided.

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.

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 a professional portfolio that can be regularly updated throughout their career.

Students are encouraged to seek their own work experience, and/or access the opportunities promoted via the University in association with employers. A range of support services is generally made available to prospective candidates, including briefing materials with advice from the Module Leader, UWE Careers Service and Placements Team about placement expectations, employability, job-seeking, interview skills, suitability of prospective placements, etc. 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: To use a substantive work-based experience to develop a sound basis for understanding and delivering in the role of the engineer in an appropriate professional environment.

Outline syllabus: Outline syllabus:
The professional environment - the nature and core business of the organisation
Professional behaviours and working with others - the acceptance of responsibility for own self and others
Personal skills analysis and reflective practice - to improve learning in communication and other transferable skills
Career planning tools - including engineering management and risk analysis
Equality and diversity, the inclusive workplace - a professional and responsible attitude
Ethics, Safety and Security - learning the requirements and consequences
Continuing Professional Development - opportunities arising in the workplace
The relationship between academic theory, technology and practice - including the

relevance and use of professional literature
Emerging issues in their discipline/technology domain - awareness and preparation for future engineering challenges.

Part 3: Teaching and learning methods

Teaching and learning methods: Pre-departure
Guidance sessions from career services, tutors and ex-placement students, including seminars, and workshops at level 1 and 2 to encourage students to find placements:
1. To prepare CVs, cover letter and for assessments centres
2. To prepare for interviews and provide supportive feedback
3. Pre-departure material prepared for those who achieve placements; includes advice on professionalism in the workplace and information about health and safety.

During placement
Each student is assigned a visiting tutor from the school, and a mentor from the employer to support and encourage personal and career development as well as monitor the student's professional performance in accordance with company norms. Each student has a full induction, including health and safety, into the organisation.

Independent Placement learning includes hours engaged with essential reading, understanding of the placement environment and its business position, assignment preparation and completion etc.
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, workplace learning and research activities. This is supplemented by a tutor visit and/or synchronous student-student or student-staff sessions.

The placement 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. The Module Leader/Team offers support and advice to this process.

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.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Within Placement, demonstrate engagement with context-specific standards, regulations and codes of conduct in the development of engineering practice

MO2 Within Placement, reflect via your professional portfolio on the importance of people in the engineering process to achieve sustainable and ethical engineering in society

MO3 Within Placement, develop a plan for your own professional development through reflective practice and critical evaluation of the relationship between theoretical knowledge, application of technology and professional context.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 142 hours

Face-to-face learning = 8 hours

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/ufmf89-15-3.html

Part 4: Assessment

Assessment strategy: The Strategy:
An individual portfolio is developed during the module as a repository for academic outputs at regular intervals, as evidence of professional work in progress, and to track and reflect on professional and personal development. Students can use this as a basis for ongoing professional development throughout their career.

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 formative submissions are scheduled in advance, focusing on recording and reflecting on activities, answering questions around security, safety, ethics, communications, etc, and developing their Professional Skills Matrix. Once submitted these are assessed as the module progresses, to embed formative feedback. A reflective report is used as the summative assessment, taking into account the quality of the student's reflective thinking on professional standards and achievements. As part of this, a nascent career plan is required based on the reflective learning undertaken.

The Assessment:

Portfolio: includes the reflective report, in addition to the skills matrix to confirm the student's evaluation of their competency development. This is used to develop the student's professional career plan.

Resit Portfolio: if the student failed to submit, or submitted at the first attempt, but failed to get a passing mark, they need to submit a revised portfolio based on the feedback received.

Assessment tasks:

Portfolio (First Sit)
Description: Final portfolio including placement work records, skills matrix, career plan and reflective report (2500 words)
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Portfolio (Resit)
Description: Final portfolio including placement work records, skills matrix, career plan and reflective report (2500 words)
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Electrical and Electronic Engineering [Frenchay] BEng (Hons) 2023-24

Electronic Engineering [Frenchay] WITHDRAWN BEng (Hons) 2023-24

Engineering [Frenchay] BSc (Hons) 2023-24

Mechanical Engineering [Frenchay] BEng (Hons) 2023-24

Mechanical Engineering [Frenchay] MEng 2023-24

Automotive Engineering [Frenchay] BEng (Hons) 2023-24

Automotive Engineering [Frenchay] MEng 2023-24

Aerospace Engineering with Pilot Studies [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering with Pilot Studies [Frenchay] MEng 2023-24

Mechatronics Engineering [Frenchay] BEng (Hons) 2023-24

Robotics [Frenchay] BEng (Hons) 2023-24

Electronic and Computer Engineering [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering [Frenchay] MEng 2023-24

Automotive Engineering [Frenchay] MEng 2023-24

Aerospace Engineering [Frenchay] MEng 2023-24

Automotive Engineering [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering with Pilot Studies [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering with Pilot Studies [Frenchay] MEng 2023-24

Electronic and Computer Engineering [Frenchay] BEng (Hons) 2023-24

Electrical and Electronic Engineering [Frenchay] BEng (Hons) 2023-24

Aerospace Engineering with Pilot Studies [Frenchay] MEng 2023-24

Aerospace Engineering [Frenchay] MEng 2023-24

Mechanical Engineering [Frenchay] MEng 2023-24

Mechatronics Engineering [Frenchay] MEng 2023-24

Interior Architecture (International) {Foundation} [Sep][SW][Frenchay][6yrs] - Withdrawn BA (Hons) 2021-22

Engineering {Foundation} [Frenchay] BSc (Hons) 2022-23

Automotive Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Aerospace Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Aerospace Engineering with Pilot Studies {Foundation} [Frenchay] BEng (Hons) 2022-23

Electronic Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Robotics {Foundation} [Frenchay] BEng (Hons) 2022-23

Mechanical Engineering {Foundation} [Frenchay] BEng (Hons) 2022-23

Interior Architecture {Foundation} [Frenchay] BA (Hons) 2022-23

Mechanical Engineering [Sep][PT][Frenchay][7yrs] MEng 2021-22

Building Services Engineering [Frenchay] BEng (Hons) 2024-25

Building Services Engineering [Frenchay] BEng (Hons) 2024-25

Mechanical Engineering {Apprenticeship-UCS} {Top-Up} [Frenchay] BEng (Hons) 2025-26

Mechanical Engineering {Apprenticeship-UCW} {Top-Up} [Frenchay] BEng (Hons) 2025-26

Mechanical Engineering {Apprenticeship-GlosColl} {Top-Up} [Frenchay] BEng (Hons) 2025-26

Electronic Engineering [Sep][PT][Frenchay][6yrs] BEng (Hons) 2021-22

Electronic Engineering [Sep][PT][Frenchay][6yrs] - Withdrawn BEng (Hons) 2020-21

Mechanical Engineering [Sep][PT][Frenchay][6yrs] BEng (Hons) 2021-22