



Module Specification

Professionalism for Engineers

Version: 2025-26, v5.0, Approved

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Part 1: Information

Module title: Professionalism for Engineers

Module code: UFMFNQ-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: This module develops the concept of the “Professional Engineer”, its meaning for you and how this impacts your career. You will study current literature on the role of the engineer in creating a sustainable future for business and society. You will understand and demonstrate the skills required to operate within a modern engineering environment and understand where future opportunities lie as you think about your future career.

For your personal development you will be able to identify personal goals, review what evidence you have so far to demonstrate your professionalism and how this can be used to develop an initial career plan. Your output will be a portfolio designed for you to keep and update throughout your career.

Your portfolio will demonstrate how your learning relates to the Engineering Council's UK-SPEC for Engineers, along with your Continued Professional Development plans.

Features: Not applicable

Educational aims: The aim of this module is develop a sound basis for understanding the role of the engineer, the professional engineering working environment and to be able to use this knowledge to prepare for the transition from University to professional life as a graduate engineer.

Outline syllabus: Outline syllabus:

The professional engineering environment

Ethics in engineering

Safety management

Personal skills analysis and reflective practice

Equality and diversity, the inclusive workplace

Emerging issues for engineering and sustainability

Career planning and Continuing Professional Development

Part 3: Teaching and learning methods

Teaching and learning methods: The module involves a significant amount of self directed, self managed learning as each student researches and identifies issues relevant to their future professional development.

This learning will be facilitated with a series of lectures and tutorials including workshops to enable group engagement, discussion and reflection.

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

MO1 Demonstrate engagement with context-specific standards, regulations and codes of practice in the development of creative design solutions.

MO2 Reflect on the importance of people in the engineering process to achieve sustainable engineering in society.

MO3 Critically reflect in terms of industry requirements via UK-SPEC for Engineers, to develop a plan for your own professional development.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: The assessment is designed to help students understand their current expertise and potential, and the step change they will face as a graduate engineer. They will discuss and reflect upon what it means to be an Professional Engineer (this needs to be underpinned by current thinking and literature), using the concepts proved in the module.

Assessment consists of an individual reflective portfolio consisting of multiple pieces, including the development of the UK-SPEC for Engineers Incorporated Engineer (IEng) Skills and Competency Matrix, and a reflection critically evaluating students' module activity in terms of the core requirements of the module, how this was achieved, and what they have learned from the process.

The resit assessment strategy is the same as the first sit.

Assessment tasks:**Portfolio (First Sit)**

Description: Final report (3000 words) and career plan

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

Portfolio (Resit)

Description: Final report (3000 words) and career plan

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

Aerospace Engineering {Apprenticeship-UWE} [UCW] BEng (Hons) 2023-24

Mechanical Engineering with Manufacturing {Apprenticeship-UWE} [UCW] BEng (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

Aerospace Engineering {Apprenticeship-UCW} [UCW] BEng (Hons) 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 {Apprenticeship-UCW} [UCW] BEng (Hons) 2023-24

Aerospace Engineering {Apprenticeship-UWE} [UCW] 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

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

Electronic Engineering (Nuclear) {Apprenticeship-UCW} {Top-Up} [MOD] BEng (Hons) 2025-26

Electronic and Computer Engineering [SHAPE] BEng (Hons) 2025-26

Electronic and Computer Engineering [SHAPE] BEng (Hons) 2025-26

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

Aerospace Engineering [Frenchay] MEng 2023-24

Mechanical Engineering [Frenchay] MEng 2023-24

Electrical and Electronic 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

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

Aerospace Engineering [Frenchay] MEng 2023-24

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

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

Robotics [Frenchay] BEng (Hons) 2023-24

Mechanical Engineering with Manufacturing [UWE Lead Provider] BEng (Hons) 2023-24

Aerospace Engineering with Pilot Studies {Foundation} [Frenchay] MEng 2022-23

Aerospace Engineering with Pilot Studies {Foundation} [Frenchay] MEng 2022-23

Mechatronics Engineering [Frenchay] MEng 2023-24

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

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

Aerospace Engineering {Apprenticeship-UCW} [UCW] 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

Electronic and Computer Engineering {Apprenticeship-GLOSCOLL} [GlosColl] BEng (Hons) 2022-23

Electronic and Computer Engineering [GlosColl] BEng (Hons) 2022-23

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

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

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