

Basic details

UID		Cohorts covered	Earliest cohort
Long title	Ethics, Sustainability and Professional Competencies Portfolio - Year Abroad		
New code	ELEC70139	New short title	
Brief description of module (approx. 600 chars.)	As an Electrical Engineer, it is crucial to be well-prepared to meet the demands of the profession and make a positive impact on society. To achieve this, you must develop five key professional competencies. This module is designed to help you reflect on the professional competencies you have developed during your degree. Through a systematic and structured approach, you will create an evidence-based portfolio in an Excel document, which will serve as a comprehensive record of your personal and professional development and inform you of further personal development needed to achieve Chartered Engineer (CEng) status.		
Available as a standalone module/ short course?	No		

Statutory details

	ECTS	CATS	Non-credit	HECOS codes
Credit value	5	10	N	
FHEQ level	L7			

Allocation of study hours

	Hours	
Lectures	2	
Group teaching	0	Incl. seminars, tutorials, problem classes.
Lab/ practical	0	
Other scheduled	2	Incl. project supervision, fieldwork, external visits.
Independent study	121	Incl. wider reading/ practice, follow-up work, completion of asses
Placement	0	Incl. work-based learning and study that occurs overseas.
Total hours	125	
ECTS ratio	25.00	

Project/placement activity

Is placement activity allowed?	No
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Module delivery

Delivery mode	Remote	Other	ELEC60014 Group Consultancy
Delivery term	Year-long	Other	Project

Ownership

Primary department	Department of Electrical and Electronic Engineering
Additional teaching departments	0
Delivery campus	South Kensington

Collaborative delivery

Collaborative delivery?	0
External institution	
External department	
External campus	

Associated staff

Role	CID	Given name	Surname
Module leader		Prabhav	Reddy
		Evona	Teh
		Zohaib	Akhtar

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Learning and teaching

Module description

Learning outcomes	By the end of the module, you will be able to: 1. Apply an inclusive approach to engineering practice and recognise the responsibilities, benefits and importance of supporting equality, diversity and inclusion. 2. Develop and implement a comprehensive strategy to identify, prevent, and mitigate security risks in contemporary scenarios, including cybersecurity and disaster management, demonstrating the ability to create innovative solutions. 3. Critically evaluate the social and environmental impacts of your engineering activities, considering the entire product or process life cycle, and develop strategies to minimise adverse impacts. 4. Communicate effectively on complex engineering matters with technical and non-technical audiences. 5. Critically reflect on your current engineering knowledge, experience, skills and personal development in the areas of Quality Management, Engineering and Project Management and Lifelong Learning, identifying areas for improvement, mapping your competency against criteria set by the EC UK
Module content	1. An introduction to the five key professional competencies for electrical engineers 2. Mentoring as a way to self-reflection on learning and development towards professional engineering. 3. Online resources of relevant publications on EDI, security, ethics, sustainability and communication. 4. Reflection on professional responsibility in engineering, including how to communicate with different audiences.
Learning and Teaching Approach	Self-learning is a key component of this module. Resources are available on Blackboard. Personal tutors support this personal development, and meetings can be scheduled by the student or tutor. In addition, there will be 3, 20-minute Teams meetings (remote) with a mentor each term to reflect on your professional competencies at different stages of the final year and to support your career development.
Assessment Strategy	Assessment for this compulsory module requires that each learning outcome (LO) be passed individually. Learning Outcomes 1 and 2 will be assessed via two Wiseflow multiple-choice tests to be completed within 24 hours of the start. While a mark will be given, it will not contribute to your degree average. Learning Outcomes 3, 4 and 5 will be assessed through reflective conversations with an industrial mentor. They will be assessed as pass-fail upon the submission of an individual professional portfolio (excel portfolio).
Feedback	Feedback will be given in the mentor sessions
Reading list	Available on Canvas, IET resources (https://www.theiet.org/career/professional-registration/chartered-engineer/am-i-eligible & https://www.theiet.org/media/10095/ahp4-the-small-print-for-heis.pdf) and Online: Professional Social Responsibility in Engineering by Angela R. Bielefeldt http://dx.doi.org/10.5772/intechopen.

Quality assurance

Office use only

Date of first approval	February 2023	QA Lead	
Date of last revision	January 2026	Department staff	
Date of this approval		Date of collection	
Module leader	Kristel Fobelets	Date exported	
		Date imported	
Notes/ comments			

Assessment details

Grading method

Pass / Fail

Pass mark

100%

Assessments

Assessment type	Assessment description	Weighting	Pass mark	Must pass?
Examination	Online digital assessment EDI	40%	50%	Y
Examination	Online digital assessment security	40%	50%	Y
Practical	Mentoring engagement/communication	20%	50%	Y
Practical	Reflection on professional competencies development (excel file completion)	0%	100%	Y
		100%		

