GLASGOW CALEDONIAN UNIVERSITY



Programme Specification Pro-forma (PSP) EXTRACT

1.	GENERAL INFORMATION	
1.	Programme Title:	MSc Electrical and Electronic Engineering
2.	Final Award:	MSc Electrical and Electronic Engineering
3.	Exit Awards:	PgD Electrical and Electronic Engineering
		PgC
4.	Awarding Body:	Glasgow Caledonian University
5.	Period of Approval:	Sept 2021 - Aug 2026
6.	School:	School of Computing, Engineering and Built Environment
7.	Host Department:	Department of Electrical and Electronic Engineering
8.	UCAS Code:	N/A
9.	PSB Involvement:	The Institution of Engineering and Technology (IET)
10.	Place of Delivery:	Glasgow Caledonian University
11.	Subject Benchmark Statement:	QAA Engineering (Oct 2019) and EC ^{UK} UK_SPEC
12.	Dates of PSP Preparation/Revision:	June 2021, April 2022

2. EDUCATIONAL AIMS OF THE PROGRAMME

The programme aims to enable graduates to qualify for entry into the profession of electrical and electronic engineering with a bias towards energy engineering and renewable technologies. In addition to the knowledge and understanding of electrical and electronic engineering there will be an integrated understanding of power systems, instrumentation systems, telecommunications systems and technologies, and business, reinforced with personal and inter-personal skills. The programme aims to prepare students for the next stage in their careers, whether entering employment or to enable those undertaking the programme to contribute towards research within the discipline. It also aims to provide continuing professional development opportunities related to the electrical and electronic professions or employment settings.

The general educational aims of the programme are that students should:

- Be provided with the knowledge and skills to equip them for a career in industry, taking up a wide range of employment opportunities within a wide range of specialisations from power electronics to measurement systems and telecommunications;
- Develop skills and knowledge, to understand and analyse technical solutions in different areas of energy production and use;
- Develop critical, analytical problem-based learning skills and the transferable skills to prepare them for employment in industry;
- Develop skills in information seeking and retrieval, and in critical assessment of received data;
- Gain the skills to adapt and respond positively to new developments and change;
- Enhance the development of their communication and other skills required for employment;
- Receive a learning experience that promotes and encourages a culture of lifelong learning, further study and continuing professional development.

The additional aim of the MSc Project component of the programme is to expand the student's expertise by providing the opportunity to undertake a significant piece of independent within a suitable electrical and electronic engineering topic.

4. PROGRAMME STRUCTURES AND REQUIREMENTS, LEVELS, MODULES, CREDITS AND AWARDS

Full-Time

The full-time route is suitable for graduates from a range of undergraduate programmes. These graduates will include suitably qualified mature students undertaking a career change/development and overseas students. Full-time students normally complete the programme in one calendar year. September and January start dates are possible.

PgD (Level M)	Full-Time Programme					
Module Code	Module Title	Level	Credits	Trimester		
MMH624493	Power System Operation and Protection	М	15	А		
MMH626242	Advanced Telecommunications	М	15	А		
MMH126808	Data Capture	М	15	А		
MMH323674	Professional Practice	М	15	В		
MMH626878	Measurement Systems	М	15	А		
MMH223558	Energy Audit and Energy Asset Management	М	15	В		
MMJ921238	Renewable Energy Technologies	М	15	В		
MMH623670	Condition Monitoring	М	15	В		
Exit PgD in Electrical and Electronic Engineering						

Toble 4.1 Full Time Dr	aramma Curriaulum	(Contombor stort)
		(September start)

Module Code	Module Title	Level	Credits	Trimester			
MMH621937	Project	М	60	С			
Exit MSc in Electrical and Electronic Engineering							

Part-Time

The structure of the part-time programme is flexible to allow for the needs of a wide range of students and common teaching with the full-time students. It is recommended that part-time students should choose to undertake only two modules per Trimester. All modules have material delivered in class and additional material available to students on GCULearn.

Part-time students will normally be able to complete the taught modules in two calendar years and then proceed to the MSc Project during the third calendar year. Other timescales can be considered.

8. ASSESSMENT REGULATIONS

The Glasgow Caledonian University Taught Postgraduate Assessment Regulations can be accessed from: <u>GCU Assessment Regulations</u>