

Electrical Engineering

University of the Highlands and Islands

Venues

Lews Castle College UHI
Virtual Learning Environment (VLE)

Content

Are you interested in developing your electrical engineering knowledge and skills? If so, this new MSc Electrical Engineering will help you progress to the next level of engineering education and help towards attainment of professional registration as a Chartered Engineer: the course is designed to fulfil the further learning component of CEng professional registration.

The course will develop your understanding of the roles of research, design, analysis and optimisation in advanced engineering careers. You will gain the knowledge and understanding to apply existing and emerging technology and gain the appropriate theoretical and practical methods to design, develop, manufacture, construct, commission, operate and maintain engineering products, processes, systems and services.

Specialist modules will allow you to pursue areas of particular interest to you and may include: study of advanced electrical engineering topics such as high speed integrated circuitry, high frequency, and neural networks; study of the application of electrical engineering software analysis packages such as MATLAB or SIMULINK; study of advanced applications of mathematical solutions for engineering problems such as transfer function approaches, state space methodology and stability analyses; application of optimisation approaches to the design of electrical engineering systems; and an electrical engineering design project.

You can exit after stage 1 with PgCert Electrical Engineering

You can exit after stage 2 with PgDip Electrical Engineering

Start Date

September

Qualification

Postgraduate Master's

Study Method

Part time (day)

Award Title

MSc

Course Length

3 years

Department

Energy, Engineering and Construction

Entry Requirements

BEng (Hons) Engineering with a minimum award of 2.2

SCQF Level

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Address

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