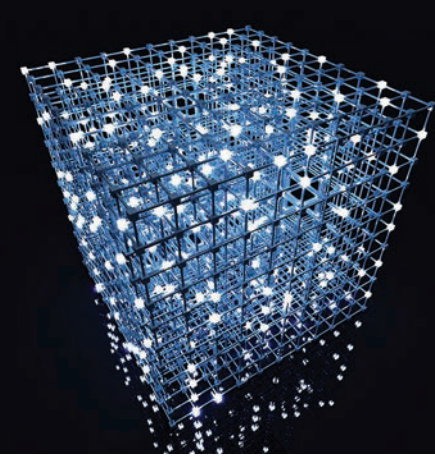




Institiúid Teicneolaíochta
Bhaile Átha Luain
Athlone Institute
of Technology

Master of Engineering in Energy and Communications Infrastructure





MASTER OF ENGINEERING IN ENERGY AND COMMUNICATIONS INFRASTRUCTURE

NFQ level	9
Duration	15 Months
Application to	Admissions Office, AIT

Minimum entry requirements
Applications will be considered from level 8 honours graduates in engineering, environmental science or cognate disciplines. Those that do not have the requisite academic qualifications may gain entry to the programme via Recognition of Prior Learning (RPL) in accordance with the institute's policies.

This innovative Master of Engineering programme is positioned within the on-shore and off-shore infrastructure sectors, specifically focussing on the energy and telecommunications domains. The demand for this skill-set is driven by the global growth of new energy sources and technologies and their associated infrastructural challenges. Employers in both the telecommunications and energy sectors are seeking graduates with these skills.

The main themes that the programme addresses are infrastructural planning and regulation; geotechnical, structural and pipeline design; economics and project management; subsea telecommunications and electrical power distribution. The programme comprises of eight modules and a dissertation.

Students will have the opportunity to design and undertake an offshore seabed survey, whilst on a Marine Institute vessel off the Irish coast. The students will be instructed and take part in the following multi-disciplinary areas including: oceanography, benthic ecology and geophysics.

This programme has a thesis component which will require an engagement with an industry partner (during the summer) in order to obtain essential data and provide exposure to industrial practices.

The programme will be offered as a one year full-time programme and will be delivered through blended learning, which is a mix of classroom and online delivery.

Modules

Pipeline Design and Installation
Communications & Electrical Generations & Distribution Systems
Planning and Regulation
Geotechnical Investigation and Civil Works
Energy Economics
Offshore Project Management
Offshore Structures
Thesis

admissions@ait.ie
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