GENERATION APPRENTICESHIP

Engineering | www.apprenticeship.ie

EQUIPMENT SYSTEMS ENGINEER (MEng)

The ESE Academy (E-Cubers) in partnership with the University of Limerick have developed this MEng in Equipment Systems Engineering specifically for Industry 4.0. The apprenticeship delivery model has been selected because it facilitates 70% of the learning to occur "on the job". Busy practicing industry professionals will benefit from being mentored by industry leaders as they help prepare their employer's equipment for the digital requirements of Industry 4.0.

Apprenticeship students will have access to the latest technologies and be able to openly network with Industry 4.0 experts and a vibrant Community of Practice.

What is Industry 4.0?

Industry 4.0 (is the latest innovation of automation and data exchange in manufacturing technologies. It includes cyber-physical systems, the Internet of things and cloud computing. Industry 4.0 creates what has been called a "smart factory".

UNIVERSITY OF LIMERICK
OLLSCOIL LUIMNIGH

Apprenticeship	Equipment Systems Engineer
NFQ Level	9 Major Award
Qualification on completion	Masters in Engineering (MEng)
Duration	2 years
industry Lead	The ESE Academy (E-Cubers)
Education provider	University of Limerick
Delivery	• On-campus 3 day Boot Camp • Innovation and Technology Provider Topics • Peer to peer learning through the 'Community of Practice' • 'On the job' application through thesis project • eEXPO
Applications by	July for a September start

For Professionals who:

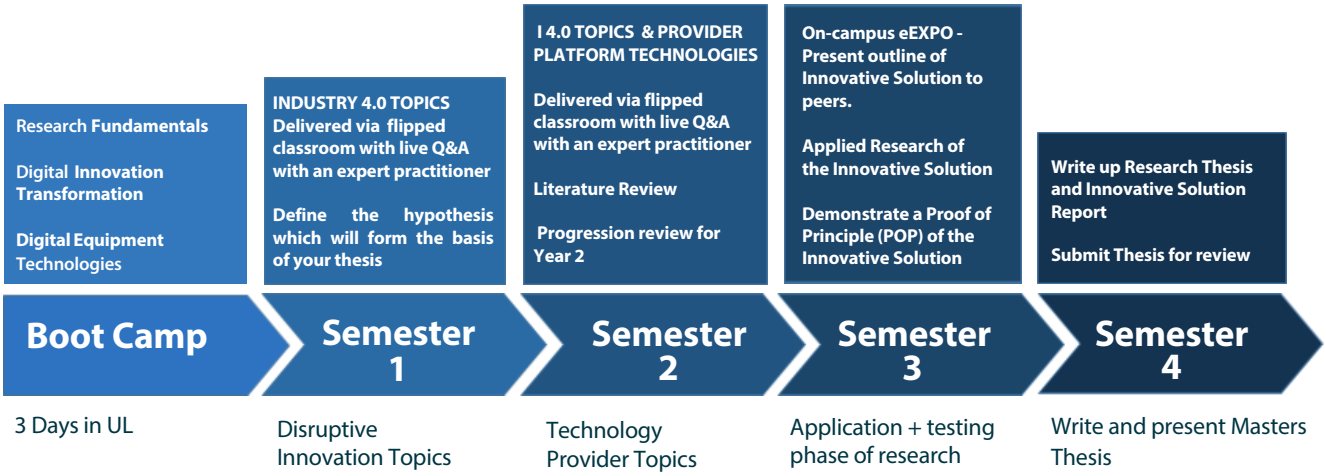
- Procure, design, manufacture, commission, support or optimise Industry 4.0 equipment for the high-tech manufacturing sector in Ireland.
- Have significant expertise of Industry 4.0 technologies as applied to manufacturing equipment.
- Wish to collaborate with others to broaden their overall access to emerging research, technologies and best working practice to meet the challenges of Industry 4.0.
- Wish to improve their abilities to perform applied research in the high-tech manufacturing equipment domain.
- Have a strong desire to be recognised as technical leaders in a topic relevant to Equipment Systems Engineering.
- Have been selected by their employer to apply the knowledge gained during this course for the procurement or optimisation of manufacturing equipment in accordance with Industry 4.0.
- Have a degree and/or considerable industrial experience in the field

Benefits to the Employer

- Developed by industry for industry
- Improves staff retention and productivity
- Addresses and tackles skills shortage
- Government subsidised qualifications

Benefits to the Apprentice

- Gain a Masters qualification while working
- Develop career enhancing skills
- Learn best-practice from other organisations
- Excellent career progression prospects



How it Works

This two-year programme is structured for blended delivery of online and face to face sessions which minimises time 'off the job'. It includes:

- Introductory Bootcamp at the beginning of Year 1.
- Disruptive innovation topics delivered remotely.
- Technology provider topics delivered remotely.
- Participation in an annual eEXPO.
- A dedicated Masters Thesis supervisor.
- Participation in a 'Community of Practice'.
- Support from an Industry Mentor within the company throughout the apprenticeship.
- Submission of an Academic Thesis and a presentation.

Entry Criteria

- Employers must be approved by UL & SOLAS and commit to support the apprentice throughout the programme.
- Support from an industry mentor within the company throughout the apprenticeship.
- Apprentices should hold a NFQ Level 8 at minimum level 2.2 honours in a relevant area. Applicants who have completed a Level 8 programme in a related field are also eligible to apply.
- Applicants with a lower qualification may also be considered provided they can prove to have considerable industrial experience as well as evidence of the ability to study at Masters Level.

Further Information and how to apply email apprenticeships@ul.ie. You can also contact one of the programme managers Phil Kelly 061-237770, Elaine Butler 061-237798 or

www.ul.ie/gps/apprenticeships | www.ecubers.ie | www.apprenticeship.ie

ENGINEERING

UNIVERSITY OF LIMERICK OLLSCOIL LUIMNIGH

E·CUBERS EQUIPMENT ENGINEERING EXCELLENCE

GENERATION APPRENTICESHIP www.apprenticeship.ie

SOLAS An tSeirbhís Oideachais Leanúnaigh agus Scileanna Further Education and Training Authority