



Manufacturing



(1) POSTGRADUATE (2) UNDERGRADUATE
ON CAMPUS / DAY TIME
NFQ - (1) LEVEL 9 / (2) LEVEL 8

For eligibility criteria and more information, please visit: WWW.SPRINGBOARDCOURSES.IE

(1) Mechatronics - Level 9 (42 ECTS)

(2) Manufacturing & Automation - Level 8 (60 ECTS)

(1) Specialist Diploma in Mechatronics

Mechatronics is a growing field of engineering that integrates electrical engineering, mechanical engineering, computer science, control engineering, and information technology to develop sophisticated integrated systems that appear intelligent or 'Smart'.

This course is designed as a progression programme for Level 8 electronic, mechanical, or computer engineering graduates and will provide education and practical application of the skills

required to design, build, programme and maintain mechatronic systems.

The programme comprises four Taught Modules covering the following topics:

Automation of Discrete Component Manufacture, Data Communications, Robotics and Control, Low Cost Automated systems, Integrated Mechatronic Systems, Mechanical System Design, Biomechatronic Systems, and 3D CAD Modelling.

Delivery will start in January 2016 and participants will be available for job placement from May 2016 onwards.



Career Opportunities:

Automation or Manufacturing Engineer

Entry Requirements:

Applicants are normally expected to hold a primary honours degree in electronic, mechanical or computer engineering or a cognate discipline, (minimum H2.2), or equivalent and have at least 5 years of relevant industrial experience.

Alternative Entry Route: Candidates who do not meet the minimum entry criteria may be interviewed to ascertain their suitability for the programme.

Applicants may be required to undertake an interview and satisfy the course admission team that they have the motivation and ability to complete and benefit from this course.

Course Contact: Email: seamus.gordon@ul.ie
CPE will assist with entry, administrative and admissions queries. Email: cpe@ul.ie

HOW TO APPLY: FOR BOTH PROGRAMMES

STAGE 1

Apply on www.springboardcourses.ie to check your eligibility and to register your interest in a programme at the University of Limerick.

STAGE 2

Under www.springboardcourses.ie, go to this programme, click on the **More Details** tab and scroll to the **Applications Procedure** to start the application process.

(2) Higher Diploma in Manufacturing & Automation

This course is designed as a progression programme for Level 7 engineering graduates and as a conversion programme for non-manufacturing graduates from other science, engineering or ICT disciplines and will provide the skills required to develop, implement and manage automated systems within an environment of lean sigma improvement. Participants will gain technical skills in automation, modelling, analytics, process control and quality improvement and compliance in a manufacturing environment as well as a 4 week placement with a manufacturing company and a Job Readiness programme to support their return to employment.

The programme comprises eight taught modules: Manufacturing Technology, 3D CAD Modelling, Decision Making Tools, Lean Tools & Techniques, Automation, Problem Solving Tools & Techniques, Six Sigma Statistics, and Machine Design.

Career Opportunities:

Manufacturing sector, including Manufacturing, Production or Automation Engineer, or Production Manager.

Entry Requirements:

NFQ level 7 2.2H award 180ECTS in a cognate business, science or technical discipline.

Applicants who do not meet the requirements above may be considered under the University of Limerick policy that allows for the recognition of Prior Learning, both formal and informal/experiential learning; non-accredited personal and professional education; work based training and employment experience.

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The content of this brochure is for information purposes only.

No guarantee is given that the programme, syllabus, fees or regulations may not be altered, cancelled or otherwise amended at any time.