

# FUTURE PROOF YOUR CAREER

TECHNOLOGY MANAGEMENT  
COURSES



- + Part-time
- + Flexible
- + Online
- + Connected
- + Career
- + Opportunity



Technology continues to herald new ways of doing business and new economic opportunities. Future proof your employability by developing and enhancing industry relevant skills for managing new and emerging technologies. Our range of courses, developed in response to the identified professional and critical skills needs of enterprise, use innovative and agile delivery modes to meet the needs of flexible learners. In a highly competitive and rapidly changing labour market, upgrading your qualifications has never been more important.

Sustainable market leadership relies on organisations staying ahead of the curve and, in a knowledge-based economy, industries must have robust and agile innovation strategies to drive growth. Graduates of our courses are best placed to make valuable contributions to such efforts having come from a learning environment that values and fosters creative thinking and solution focused approaches to real life problems.

Together NUI Galway and University College Cork have developed a unique range of postgraduate level courses focused on developing management and leadership attributes. You will acquire new knowledge and skills relevant to the needs of a wide range of industries using advanced technologies. Courses are comprised of interdisciplinary modules, which offer opportunities for deep and meaningful academic engagement whilst also acting as a leverage point for participants and their companies seeking competitive advantage through innovative technologies.

Our courses are specifically designed for working adults and delivered using a combined approach of online learning and facilitated workshops. Through a diverse curriculum our courses aim to develop technology strategists, enterprising innovators and powerful change agents.

# 01

**MASTERS IN**

**TECHNOLOGY**

**MANAGEMENT**

# 02

**POSTGRADUATE DIPLOMA**

**IN INNOVATION**

**MANAGEMENT**

# 03

**POSTGRADUATE DIPLOMA**

**IN TECHNOLOGY**

**COMMERCIALISATION**

## REASONS TO STUDY THIS COURSE:

- The course has been jointly developed with University College Cork to meet the growing demand for graduates with interdisciplinary knowledge and skills.
- Completing this course will open up new opportunities and career paths in areas such as production and operation management, information systems and management consultancy.
- As this is an executive education course participants will benefit from significant peer learning opportunities.

### COURSE FACTS

**ECTS:** 90

**NFQ Level:** 9

**Duration:**  
2 years, part-time

**Mode of study:**  
Blended learning

**Fees: (per annum)**  
**EU:** €7,900 **Non-EU:** €8,400

**Start date:** September

### CONTACT

**NUI Galway:**  
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### APPLY ONLINE:

[www.nuigalway.ie/adultlearning/apply](http://www.nuigalway.ie/adultlearning/apply)

## Master of Science in TECHNOLOGY MANAGEMENT

### YOUR PART-TIME COURSE:

The MSc in Technology Management will assist managers or aspiring managers to develop their knowledge and understanding of the increasingly important area of technology management, while building their management and leadership capabilities for new or current roles. Students will learn how to critically evaluate, integrate and apply conceptual knowledge and practical methodologies that underpin an entrepreneurial approach to technology innovation and management. The course aims to develop students' knowledge of product and service innovation, process optimization, data analytics, technology transfer and research and development (R&D) processes, enabling students and companies to gain competitive advantage through their technologies.

### YOUR MODULES:

- User Centred Design
- Managing Innovation
- Innovation and Technology Transfer
- Marketing Technology Products
- Data Analysis for Process and Product Development
- Strategy and Management of Technology
- Managing Technology Projects
- Technology Finance and Capital
- Technology Innovation and Entrepreneurship
- People Management for Technology Organisations
- Thesis

### ENTRY REQUIREMENTS:

Candidates must have a primary honours degree, minimum H2.2 or equivalent, and at least five years of relevant industrial experience. Candidates who do not meet the minimum entry criteria may apply for the Postgraduate Diploma in Innovation Management or Technology Commercialisation. On successful completion of either of these courses with an average grade of 2.1 honours, students may apply for this course with exemptions.

### DELIVERY & ASSESSMENT:

The course is delivered in association with University College Cork using a blended learning approach with the location of Saturday workshops (approximately monthly) rotating between the two universities. The delivery model also includes online learning and self-directed learning elements. Innovative and authentic assessments methods are used throughout the course which will enable learners to demonstrate capabilities and competencies as well as academic knowledge. Methods may include written assignments, e-learning and multi-media exercises, group projects, presentations and reports etc. Students will also complete a research-based dissertation in the second year of the course.

### CAREER OPPORTUNITIES & FURTHER STUDY:

A wide range of career opportunities are available to graduates in areas such as research and development, production and operations management, information systems and management consultancy. The course is suited to a variety of industry sectors including medical devices, biopharma, high-end manufacturing, FinTech and healthcare. It will also benefit those working in service industries and the public sector.



**"This course gave me the knowledge to approach medical device R&D management with fresh insight and up-to-date tools, which had practical applications in the workplace."**

- David Ronan

## REASONS TO STUDY THIS COURSE:

- Students learn to critically analyse and interpret conceptual and applied approaches to innovation in the pursuit of competitive advantage.
- Students will explore the potential of business process improvement for creating agile and dynamic organisations.
- As this is an executive education course, participants will benefit from significant peer learning opportunities.

### COURSE FACTS

**ECTS:** 30

**NFQ Level:** 9

**Duration:**

1 year, part-time

**Mode of study:**

Blended learning

**Fees: EU:** €3,950

**Non-EU:** €4,450

**Start date:** September

### CONTACT

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## Postgraduate Diploma in INNOVATION MANAGEMENT

### YOUR PART-TIME COURSE:

Students undertaking this 1-year Postgraduate Diploma in Innovation Management will learn about innovation and change and how these affect business operations. They will investigate new process technologies that contribute to operational efficiency and competitiveness. They will also explore the innovation of products, processes and services and identify business process improvements to facilitate sustainable innovation and change. The course will be beneficial for those working in organisations undergoing change and restructuring or with an interest in continuous improvement. The course will also assist individuals and micro-enterprises with a business idea that they want to develop as a lean startup.

### YOUR MODULES:

- User Centred Design
- Managing Innovation
- Improving Business Processes
- Managing Technology Projects
- Project

### ENTRY REQUIREMENTS:

Candidates must have a first or second class honours degree at undergraduate level in any discipline, with three years of relevant work experience; or an ordinary or third class honours degree with five years' experience; or a recognised professional qualification with five year's relevant experience.

### DELIVERY & ASSESSMENT:

This course is delivered in association with University College Cork using a blended learning approach with the location of Saturday workshops (approximately monthly) rotating between the two universities. The delivery model also includes online learning and self-directed learning elements. Innovative and authentic assessment methods are used throughout the course, which will enable learners to demonstrate capabilities and competencies as well as academic knowledge. Methods may include written assignments, e-learning and multi-media exercises, group projects, presentations and reports etc.

### CAREER OPPORTUNITIES & FURTHER STUDY:

Innovation skills are currently much in demand globally across all sectors. Graduates of the course are working in areas such as research and development, production, and operations management, and in a broad range of manufacturing and service sectors. Students who successfully complete this Postgraduate Diploma with an average grade of 2.1 honours may apply for the Master of Science in Technology Management and will be eligible for module exemptions.



## REASONS TO STUDY THIS COURSE:

- This course will develop students' understanding of venture capital financing, the patenting process, business strategy, financial management, marketing and technology development.
- Students will have access to invaluable networking opportunities with individuals, companies and agencies involved in technology commercialisation.
- As this is an executive education course participants will benefit from significant peer learning opportunities.

### COURSE FACTS

**ECTS:** 30

**NFQ Level:** 9

**Duration:**

1 year, part-time

**Mode of study:**

Blended learning

**Fees: EU:** €3,950

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## Postgraduate Diploma in

# TECHNOLOGY COMMERCIALISATION

### YOUR PART-TIME COURSE:

This 1-year Postgraduate Diploma in Technology Commercialisation aims to improve the commercialising success of the next generation of entrepreneurs. It will assist in the creation, marketing and adoption of emerging innovative technologies. The course will assist managers, scientists and engineers to realise the potential of technological innovation and gain a greater understanding of the technology transfer and commercialisation process. It will provide information and guidance on business planning, securing project finance, and bringing new technologies, products and service to market. The course is also suitable for students who have a business idea and wish to explore its potential through a structured course.

### YOUR MODULES:

- Innovation and Technology Transfer
- Marketing Technology Products
- Technology Finance and Capital
- Technology Innovation and Entrepreneurship
- Project

### ENTRY REQUIREMENTS:

Candidates must have a first or second class honours degree at undergraduate level in any discipline, with three years of relevant work experience; or an ordinary or third class honours degree with five years' experience; or a recognised professional qualification with five year's relevant experience.

### DELIVERY & ASSESSMENT:

The course is delivered in association with University College Cork using a blended learning approach with the location of Saturday workshops (approximately monthly) rotating between the two universities. The delivery model also includes online learning and self-directed learning elements. Innovative and authentic assessments methods are used throughout the course which will enable learners to demonstrate capabilities and competencies as well as academic knowledge.

Methods may include written assignments, e-learning and multi-media exercises, group projects, presentations and reports etc. The project module is ideally carried out within the student's own organisation or based on an entrepreneurial business idea.

### CAREER OPPORTUNITIES & FURTHER STUDY:

Graduates of this course work in both private and public sector organisations in the area of research and development of new technologies, with a specific focus on technology transfer, commercialisation and marketing activities. Students who successfully complete this Postgraduate Diploma with an average grade of 2.1 honours may apply for the Master of Science in Technology Management and will be eligible for module exemptions.



**"Since finishing the course I have gained employment as a product commercialisation and solutions engineer. The course improved my knowledge, skills and abilities in this area, and has fuelled my passion and increased my confidence to establish my own company."**

- Sandra Lavin



## POSTGRADUATE DIPLOMA IN INNOVATION MANAGEMENT

30 ECTS

Managing Innovation

User Centred Design

Managing Technology Projects

Improving Business Processes

Workbased Project

## POSTGRADUATE DIPLOMA IN TECHNOLOGY COMMERCIALISATION

30 ECTS

Innovation and Technology Transfer

Marketing Technology Products

Technology Innovation & Entrepreneurship

Technology Finance and Capital

Workbased Project

**Progression Opportunities:** Students can progress to the Masters course and gain exemptions for modules completed on one of our Postgraduate Diploma courses.

## MASTERS IN TECHNOLOGY MANAGEMENT

90 ECTS

Managing Innovation

User Centred Design

Managing Technology Projects

Innovation and Technology Transfer

Marketing Technology Products

Technology Innovation & Entrepreneurship

Technology Finance and Capital

Data Analysis for Process and Product Development

Strategy and Management of Technology

People Management for Technology Organisations

Thesis

**Modular Learning:** Students can select any module from the above as a standalone option for upskilling, retraining or continuous professional development (CPD).

## BLENDED LEARNING

Blended learning allows you to study at times that suit you best. Blended learning is simply an extension of what was traditionally called distance learning. It is a combination of self-instructional learning materials, traditional face-to-face lectures and workshops, online discussions, self-assessment activities and continuous assessments. When you enrol on a blended learning course, you receive a set of self-instructional learning materials to use at your own pace. This material is also available online using our online learning portal which you can access using the internet.

Blended learning courses also involve online activities. Your module tutors will provide help and feedback through online classroom activities and you will also be able to discuss course topics with other students on a virtual discussion board. Before embarking on a blended learning course, you should be comfortable with using computers and basic software packages. However, you don't need to be an expert. Your course tutors and the course administrator will provide you with training and support when you begin the course. Online tutorials are also available to show you how to navigate the online learning portal.

## CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CREDIT

It is also possible to take modules from our courses on a CPD basis. In this way professionals can maintain, improve and broaden their knowledge and skills to meet the professional competencies required in their working lives.

Modules can be taken on a flexible, standalone basis from the suite of courses on offer. They may take place over 1–2 days or via online learning over a number of weeks. Each module has a specific number of credits attached to it and you may consider this option for upskilling and developing your continuing professional development portfolio to meet the requirements of your industry sector and/or profession.

For further information on the CPD application process visit our CPD website [www.nuigalway.ie/cpd](http://www.nuigalway.ie/cpd)

## RECOGNITION OF PRIOR LEARNING (RPL)

The University acknowledges that all learning is valuable and courses previously undertaken by you may be considered for possible module exemptions through the RPL process. Students with previous relevant qualifications at NQF Level 9 may be eligible to apply for exemption from modules on the Masters or Postgraduate Diploma courses of study.

If you feel that you have covered some of the course material previously through formal learning the RPL process may allow you to gain module exemptions based on demonstrated learning achieved prior to admission. This means that you will have a lighter course load for some elements of the course and, may be eligible for a fee reduction. Where exemption is granted it is normally limited to a maximum number of credits.

For further information on the RPL application process please email [techmgt@nuigalway.ie](mailto:techmgt@nuigalway.ie)



University College Cork



NUI Galway

# FUTURE PROOF YOUR CAREER



National University of Ireland, Galway  
Ollscoil na hÉireann, Gaillimh

