

Technology  
Ireland  
ICT

Skillnet

National  
College of  
Ireland

Level 7 NFQ  
20 ECTS

# Certificate in Emerging Digital Technologies

Online Part-time

Duration: 1 Semester

Emerging digital technologies are those such as Artificial Intelligence, Cybersecurity, Internet of Things, Blockchain, FinTech, Robotics and, Virtual, Augmented and Mixed Reality, which will have a significant business and societal impact over the next five to ten years. Given the rate of change, these disruptive forces are impacting industries and markets in multiple ways. One specific impact we are seeing is the growing digital skills gap.

This online Certificate in Digital Emerging Technologies will give the student a deep understanding of these new technologies and how they can be utilised to create opportunities in their industry and develop their career prospects.

The course will equip the learner with state-of-the art knowledge of the impact and applications of emerging technologies that are increasingly sought after in industry today.

## Entry Requirements

- A minimum of a Level 6 qualification on the NFQ (National Framework of Qualifications) is required for standard entry or by RPEL\*.
- All candidates must be working in private or commercial semi-state organisations registered in the Republic of Ireland to avail of the part-funded fees.

\*For candidates who do not meet this minimum entry requirement, the college operates a Recognition of Prior Experiential Learning (RPEL) scheme whereby applicants may be considered based on relevant work or other experiences. Please note upon application if you wish to be assessed on the RPEL scheme.

## Who is this programme for?

Applicants may be from IT or non-computing backgrounds.

The fees for this programme are part-funded by Technology Ireland ICT Skillnet



# Certificate in Emerging Digital Technologies - Online

## Why study this programme?

To remain competitive and take advantage of market opportunities and be able to show the difference between their offerings, professionals, managers and decision makers can gain a deeper knowledge of what newly appearing technologies are and how they can be applied in their business domains.

The course is taught over one semester and is delivered completely online through both synchronous and asynchronous directed activities using state-of-the-art technologies and teaching techniques to support the virtual classroom. Asynchronous directed activities consist of short videos, recommended reading and tutorial exercises. Students are expected to engage with this content each week before their live class to build an understanding and to prompt questions. The module assessment strategy places greater emphasis on continuous assessment (e.g. presentations, essay, group project) rather than on a written exam. This programme is an online programme and as such, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. Students must also ensure they have sufficient broadband speed & reliable connectivity.

## To Apply

Send your CV to [info@ictskillnet.ie](mailto:info@ictskillnet.ie).  
Candidates are encouraged to apply as early as possible.  
More information at [www.ictskillnet.ie](http://www.ictskillnet.ie)

## Fees

Eligible candidates can avail of our part-funded fee which reduces the cost. [www.ictskillnet.ie](http://www.ictskillnet.ie)

## Programme outline

The online Certificate in Emerging Digital Technologies is a 1 Semester 20 ECTS course.

### Core Modules (20 ECTS);

- Emerging Digital Technologies (10 Credits)
- Digital Business Transformation (10 Credits)

The overall objective of the course is to provide students including non-computing professionals, IT professionals and non-traditional students with:

1. Fundamental knowledge and understanding of emerging digital technologies such as Artificial Intelligence, Cyber-security, Internet of Things, Blockchain, FinTech, Robotics, Cloud Computing and, Virtual, Augmented and Mixed Reality.
2. Working and practical knowledge of emerging digital technologies and their potential application in the workplace, including specialised knowledge across a variety of emerging digital technologies.
3. Learning skills that support them to develop a deeper knowledge of the impact and applications of emerging technologies.
4. The ability to investigate and analyse emerging digital technologies, to exercise creative or conceptual skills, to plan and design concepts, to apply emerging digital technologies to business domains such as products, services, operations or processes.
5. Enhanced communication, presentation, teamwork and problem-solving skills.

## Course Duration

The course is 1 semester

This course is targeted at non-computing professionals who wish to understand the latest emerging digital technologies and how to integrate them into their workplace.



Technology Ireland ICT Skillnet is co-funded by Skillnet Ireland and network companies. Skillnet Ireland is funded from the National Training Fund through the Department of Further and Higher Education, Research, Innovation and Science.



An Roinn Breisoideachais agus Ardoideachais,  
Taighde, Nuálaíochta agus Eolaíochta  
Department of Further and Higher Education,  
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