



Diploma in Emerging Information Technology for Industry

Who is the Diploma in Emerging Information Technology for Industry for?

This is a level 7 conversion-style course. The target audience is primarily mid-level managers in a range of small and medium companies. Students are not expected to have a computing background. The purpose of the course is to create graduates who have a detailed understanding of emerging information technologies and how they can be leveraged for the benefit of their organisation. The graduates will be equipped to understand the needs of the organisation, how they can be met through technological solutions and will be able to liaise with ICT professionals using a shared body of knowledge and framework of understanding. Graduates should be able to discuss knowledgeable matters such as different options for data capture and storage, electronic payment systems and trust and compliance issues.

According to the ManpowerGroup Skills Revolution 2.0 2018 report “digitization and automation is happening at different speeds impacting regions, sectors and organizations at different times in different ways.” The report goes on to state that Administrative & Office functions expect the greatest decreases in headcount as a result of automation. However, “Most employers expect overall headcount to increase as a result of digitization, however, the impact varies by function. IT comes out on top as organizations invest in digital skills”.



How will the course be delivered?

This course will be delivered part time (online) in the evenings. Delivery in this mode will facilitate upskilling and reskilling the widest possible group of company employees without requiring employees to cease employment while doing the course. As the course will be delivered online, it won't matter where in the country students are located.

Students will do one or two modules per session with 4 sessions across the year over one academic year.

Minimum Entry Requirements

The course will be available to applicants who meet the following criteria:

- A full Level 6 qualification in any discipline.
- A full Level 5 qualification in any discipline with at least 3 years appropriate industry experience.
- A mature learner preferably with appropriate industry experience.

Is there a demand for graduates with these skills?

The Skills Needs of Manufacturing in the North West 2019 report states that:

“The respondents who responded to this skills audit stressed the importance of recruiting employees who have the right mixture of both soft and hard skills. The ultimate blend is a combination of human skills + technical skills + digital skills”.

Among the challenges facing the Irish economy, the OECD estimates that 57 per cent of adults in Ireland have no ICT skills or have only the skills necessary to fulfil the simplest set of tasks in a technology-rich environment. Additionally, the OECD study estimated that the average Irish worker faced a 46 per cent probability of being automated by the 2030s. According to the OECD Economic Surveys Ireland 2018 “Most Irish firms have experienced declining productivity over the past decade. This has largely reflected the poor performance of local firms, with the large productivity gap between foreign-owned and local enterprises having widened.

Course Structure

Modules	Mandatory/Elective	No of ECT credits
Preparing for Emerging Technologies	Mandatory	10
Analytics and AI for Business	Mandatory	10
Payment Technologies and Payments	Mandatory	10
The Internet of Things and its use in Business	Mandatory	10
Cloud	Mandatory	10
Privacy and Trust	Mandatory	10
Placement	Elective	10
Employability Studies	Elective	10

Timetables will be issued early to mid-September from the Department of Administration.

Delivery Notes

- 100% Online, all students registering on the course should check the landing page for additional course information.
- A 2MB Internet connection is recommended for online classes. Additional notes and student updates will be provided via Blackboard which is the online teaching support system (Virtual Learning Environment (VLE)).
- It is recommended that students have a headset for online classes and use a Chrome or Firefox web browser.
- When students have registered they will have access to additional detailed information about course delivery and college services through our website. Students should make sure they familiarise themselves with this information.

Course Fees

Springboard will cover 90% of the course fees for students who are currently in employment and 100% of the fees for students who are currently unemployed. The student contribution of 10% is €610.

Application Form

Applications can be made via the Springboard website www.springboardcourses.ie All applicants are required to provide a copy of their C.V., a copy of their highest education qualification certificate and documentary evidence of their eligibility for Springboard including residency (i.e. that they have been ordinarily resident in Ireland or the state EEA/EU/UK/Switzerland for 3 out of the last 5 years). Eligibility criteria for Springboard is available on the Springboard website at <https://springboardcourses.ie/eligibility>

Registration

Registration with LYIT will be in August 2021 through the Department of Admissions. The course will start on 1st September 2021.

Further Information

For further information on the course, contact Thomas Dowling, Head of Department of Computing, Letterkenny Institute of Technology on **E- Mail: thomas.dowling@lyit.ie**

For further information on applying via Springboard contact the Springboard Office, Letterkenny Institute of Technology on **E- Mail: springboard@lyit.ie**