



# Postgraduate Diploma in Computing in Cloud Technologies

## Who is the Postgraduate Diploma in Computing in Cloud Technologies for?

This course is a level 9 Postgraduate Diploma in Computing in Cloud Technologies. The objective of the course is to guide learners who have good general experience in and knowledge of technical computing and augment their skills and knowledge in readiness to begin a career in Cloud Technologies.

According to the ManpowerGroup Skills Revolution 2.0 2018 report says that “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”. The Forecasting the Future Demand for High-Level ICT Skills in Ireland, 2017-2022 report says that a 2017 survey of almost 800 European organisations ranks Cloud Technologies as one of their top 3 IoT investment priorities. 56% of the respondents were using public cloud services in 2017 increasing to 80% by 2019. The report goes on to say that “It is estimated that European organisations spent almost €23 billion on public cloud services in 2017 and that this spend could grow to €49.6 billion by 2021, a CAGR of 21.3%. On a global level, public cloud spending is expected to reach €252 billion by 2021.”



## 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 can do two modules per session with 3 sessions per academic year over one academic year.

## Minimum Entry Requirements

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

- A level-8 qualification in Computing.
- A level-7 qualification in a Computing with 3 years appropriate work-experience.
- Candidates who do not hold these qualifications may also apply on the basis of Recognised Prior Learning which includes a combination of education, training and work experience.

## Is there a demand for graduates with these skills?

The 2018 paper “Mind the Gap” by Creative ICT/VMWare says that:

*“Successful digital transformation requires a high scalable, agile and responsive data centre infrastructure where resources are fully virtualised and easily accessible”.*

The Skills Needs of the ICT and FinTech Sectors in the NorthWest 2018 report specifically identifies a need for Cloud skills in the region with Annex-1 including a full section dedicated to this skill-area. Key skills identified include: Microsoft Cloud, Azure, Office 365, Web services, SOAP, REST, Management Professional development and Windows Server. All of these topics are covered in detail in this course.

### Course Structure

Modules	Mandatory/Elective	No of ECT credits
Computer Systems Programming	Mandatory	10
Virtual Server Administration	Mandatory	10
Advanced Database Development	Mandatory	10
Enterprise & Data Centre Networking	Mandatory	10
Private Cloud Technologies	Mandatory	10
Placement*	Mandatory	10
Employability Studies	Elective	10

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

\*(Or an industry relevant project for students who can't undertake a placement. Students may also be able to apply for an exemption from the placement based on relevant experience).

### 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 €670.

### Application Form

Applications can be made via the Springboard website [www.springboardcourses.ie](http://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 1<sup>st</sup> 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](mailto: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](mailto:springboard@lyit.ie)