



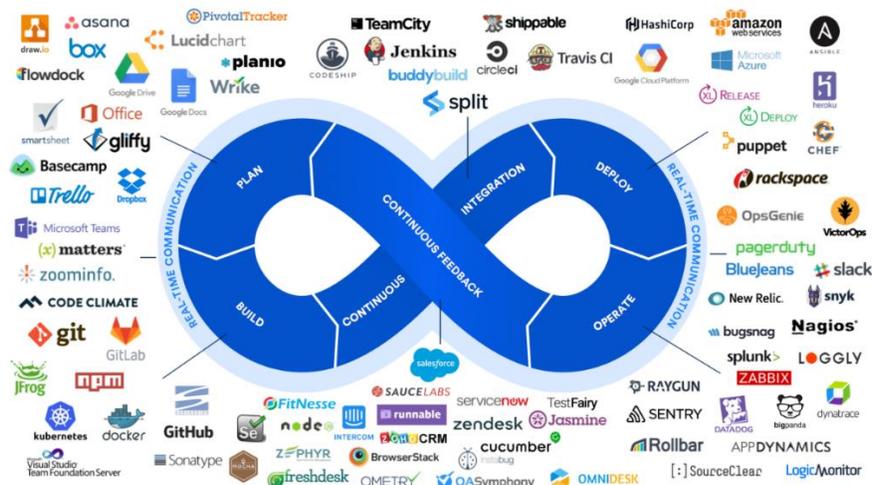
# Postgraduate Diploma in Computing in DevOps

## What is DevOps?

DevOps is a culture or system which promotes collaboration between Development and Operations Team to deploy code to production faster in an automated & repeatable way. The word 'DevOps' is a combination of two words 'development' and 'operations.' DevOps helps to increase an organization's speed to deliver applications and services. It allows organizations to serve their customers better and compete more strongly in the market. DevOps can be defined as an alignment of development and IT operations with better communication and collaboration.

## Is there work in this field?

Yes, SIGMAR Recruiting lists DevOps as the 4<sup>th</sup> most in demand skill among Irish employers. Demand for DevOps is growing rapidly and industry is struggling to find suitable graduates. If you are interested in a career in software development this is the MSc you should do.



## Career Opportunities

This programme was developed in partnership with the IT industry in Ireland. The objective of developing the course is to ensure a supply of highly skilled and experienced graduates for key employers locally and throughout Ireland and Europe. The existence of the course reflects the commitment of employers to this field of expertise. Graduates from this course can expect to find very attractive employment opportunities locally and nationally.

Worldwide there are several million people working as computer programmers and employment in this area is growing at approximately 12% per year. 60% of hiring managers report difficulty filling DevOps positions and this shortage is forecast to grow.

## 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.

## Course Structure

Modules	Mandatory/Elective	No of ECT Credits
DevOps Software Engineering	Mandatory	10
DevOps Process Management	Mandatory	10
OO Programming for Server Administration	Mandatory	15
Scripting the Deployment Pipeline	Mandatory	15
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).

### 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 Computing with three years appropriate work-experience.
- Candidates who do not hold these qualifications may also apply on the basis on Recognised Prior Learning which includes a combination of education, training and work 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)