



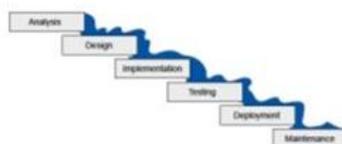
# Bachelor of Science (Hons) in Contemporary Software Development

## Who is the Bachelor of Science (Hons) in Contemporary Software Development for?

This course is a level 8 BSc Hons in Contemporary Software Development. The objective of the course is twofold: to guide learners who have good general experience in and knowledge of general computing and augment their skills and knowledge in readiness to begin a career in software development and also to upskill existing programmers who may have gotten “stuck” in legacy programming languages and development techniques.

In designing this course, we have distilled the available approaches and tools to ensure that graduates have a broadly based understanding of up-to-date tools, methods and languages together with the requisite skills and context to transfer that knowledge to existing and emerging approaches. In this way graduates will be well prepared for the modern workplace and will be able to work with the most up to date tools and techniques in cutting edge development environments.

Waterfall



Agile



DevOps



## 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 4 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-7 qualification in a Computing.
- a level-6 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?

In 2019, the Irish Development Authority (IDA) wrote:

*“Ireland’s reputation as a centre of Software excellence is unrivalled in Europe. It is home to over 900 Software companies, including both multinational and indigenous firms, employing 24,000 people and generating €16 billion of exports annually. The sector’s wide-ranging activities include Software Development, R&D, Business Services and EMEA/International headquarters.”.*

The Skills Needs report showed that employers in the northwest identified upskilling employees IT Skills as critical to their continuing development. The Skills Needs of the ICT and FinTech Sectors in the NorthWest 2018 report specifically identifies a need for DevOps and related software development skills in the region with Annex-1 including a full section dedicated to this skill-area.

## Course Structure

Modules	Mandatory/Elective	No of ECT credits
Software Development	Mandatory	10
Software Processes	Mandatory	10
Contemporary Software Development	Mandatory	10
DevOps Pipelines	Mandatory	10
High Performance Programming	Elective	10
Project	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 €630.

## 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> of 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)