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# BSc Hons in Computing in Cybersecurity

## Who is the BSc Hons in Computing in Cybersecurity for?

This course is a level 8 BSc Hons in Computing in Cybersecurity. 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 Cybersecurity. The course is made up of 6 modules including a placement/industry project module. It is designed to be 100% online and it is self-contained. Candidate students need to have a computing background but do not need to have a Cybersecurity background.

There is a need to upskill jobseekers, people who are underemployed but seeking full employment and people who are in full employment but who need to reskill to ensure that their skills remain relevant to a changing workplace. This course is designed as a flexible part-time course. It will be run in a flexible manner by distance in the evenings and at weekends. We have significant experience delivering programmes on-campus and by distance learning to people in employment and we ensure our systems, policies and procedures take their needs into consideration.



## 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.

The course is designed to run in part-time mode. The student will study the six taught modules (two at a time) over one academic year (in 3 blocks of 10 weeks).

## Minimum Entry Requirements

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

- Level 7 qualification in computing.
- Level 6 qualification in computing with three years appropriate work experience.
- Candidates who do not have a degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL) which includes a combination of education, training and work experience.

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

The Labour market Review Information and Communication Technology 2016 states:

*“Ireland is home to the top 10 technology companies in the world, as well as the top 5 security companies”.*

However, The Forecasting the Future Demand for High-Level ICT Skills in Ireland, 2017-2022 report says that there was a shortfall of approximately 2 million cybersecurity professionals worldwide with many companies struggling to fill cybersecurity roles. The report goes on to state that “Cybersecurity is a discipline where demand so outnumbers supply that new creative methods are being employed to upskill people from different backgrounds with the necessary skills.”

### Course Structure

Modules	Mandatory/Elective	No of ECT credits
Secure Communications and Infrastructure	Mandatory	10
Cryptography and Cryptographic Implementations	Mandatory	10
Digital Forensics and Evidence	Mandatory	10
Information Security Management	Mandatory	10
Ethical Hacking and Threat Management	Mandatory	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 Fee

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 in 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)