



Bachelor of Science in Computing in Data Centre Management

Who is the Bachelor of Science in Computing in Data Centre Management for?

This is a level 7 BSc in Computing in Data Centre Management. The objective is to guide learners who have general exposure to technical computing and augment their skills to produce graduates with hands-on skills to allow them to work effectively in a Data Centre/Private Cloud environment.

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”.



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-6 qualification in Computing.
- 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. Candidates should have some knowledge of computer networks and operating systems.

Is there a demand for graduates with these skills?

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

“the demand for high-skill Data Centre staff remains despite the growth of Public Cloud. 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 developed by the Regional Skills Forum Northwest shows that private sector ICT employment in the Northwest grew by 72% between 2008 and 2015 doubling private-sector ICT employment in the region from 2% to 3.8% of overall private sector employment. The continuing development of the existing ICT cluster in the northwest is crucial to the economic health of the region. The Skills Needs report showed that employers in the northwest identified upskilling employees IT Skills as critical to their continuing development. The 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 this course.

Course Structure

| Modules | Mandatory/Elective | No of ECT credits |
|---------------------------------|--------------------|-------------------|
| OOPR For Server Administration | Mandatory | 10 |
| Governance, Risk and Compliance | Mandatory | 10 |
| Server Maintenance | Mandatory | 10 |
| Private Cloud Technologies | Mandatory | 10 |
| Management & Maintenance | 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 €520.

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**