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Diploma in Applied Data Technologies - Level 7

Who is the Diploma in Emerging Information Technology for Industry for?

The target audience for this course is primarily administrative staff and junior managers in a range of small and medium companies. Students are not expected to have a computing background. The course is help student to understand and bridge the gap in their applied knowledge of the potential of data technologies in the workplace. It will cover areas like SQL Programming, Database Systems, Business Intelligence and Data Analytics and Visualisation. The graduates are not expected to have deep ICT technical skills but are instead expected to be equipped to understand how a range of technologies can be used to support the organisation and to apply those technologies for that end.

Clearly 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 will be run by distance in the evenings and at weekends. Student can do one or two modules per session with 4 sessions over an academic year. We have significant experience delivering programmes by distance learning to people in employment.

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.

Minimum Entry Requirements

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

- A full Level 6 Qualification in any discipline.
- A full Level 5 qualification in any discipline with at least 3 years appropriate industry experience.
- Be a mature learner preferably with appropriate industry experience.

Is there a demand for graduates with these skills?

In 2017, the Irish Computer Society (ICS) wrote:

"According to the latest European Digital Economy and Society Index (DESI), Ireland's performance with regard to digital skills is 11% below the EU average. Two years on there is not much of an increase as the DESI report states that while Ireland performs above the EU average in high-level digital skills, the average digital skills of people are low."

The Skills Needs of the ICT and FinTech Sectors in the NorthWest 2018 report developed by the Regional Skills Forum Northwest shows clearly the need for this course. The Skills Needs report showed that 22% of employers in the northwest identified upskilling employees IT Skills as critical to their continuing development.

Course Structure

Modules	Mandatory/Elective	No of ECT credits
SQL Programming	Mandatory	10
Database Systems	Mandatory	10
Advanced SQL Programming	Mandatory	10
Data Analytics and Visualisation	Mandatory	20
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 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 €610.

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 early August 2021 through the Department of Admissions. The course will start on 1st September 2021.

Further Information

For further information on the Diploma, 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**