Higher Diploma in Science in Computing for Educators

Minimum Entry Requirements: A full level-8 qualification or equivalent or B.Ed. Preference will be given to professionals working in the education sector.

This unique course allows educators to engage with material that will provide them with confidence and technical skills to deliver ICT in schools for the 21st Century. The certificates have been carefully crafted to ensure that educators will be given opportunity to gain proficiency and to derive tangible elements for their own classrooms.

Each certificate is worth 10 ECT credits and is at level 8. Educators can take as many or as few of the certificates that they wish but completing 6 certificates will enable the participant to convert their 60 credits into a Higher Diploma in Computing for Educators.

Modules / Minor Awards	Mandatory / Elective	Credits
Certificate in Coding Principles	Mandatory	10
Certificate in Coding with Syntax	Mandatory	10
Certificate in Digital Citizenship	Mandatory	10
Certificate in Computer System	Mandatory	10
Certificate in Mobile Applications Development	Elective	10
Certificate in Web Development and HCI	Elective	10
Certificate in Robotics for the Classroom	Elective	10
Certificate in Database Technology	Elective	10
Certificate in Data Science	Elective	10

To receive the Higher Diploma students should complete the 4 Mandatory modules and 2 of the elective modules for a total of 60 credits.

Institiúid Teicneolaíochta Leitir Ceanainn
Letterkenny Institute of Technology

Design by Sean Toman , BSc (Hons) in Computing with Cloud and Green IT

For more detailed information contact Dr. Nigel McKelvey, Lecturer in Computing: nigel.mckelvey@lyit.ie
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Each module runs twice a year where possible. Once in Athlone Education Centre (AEC) and once in Letterkenny IT. Educators **must** specify the module code of the certificate they wish to gain when applying. **Please note** module codes are different for Athlone Education Centre and Letterkenny IT. Educators should ensure they specify the correct module code for their chosen location when applying.

Module	LYIT Code	Dates	AEC Code	Dates
(Certificate in) Coding Principles	CDPLY	9th Oct 2019 10th Oct 2019 12th Oct 2019 21st Oct 2019 4th Nov 2019 11th Jan 2020	CDATH	2nd Dec 2019 9th Dec 2019 14th Dec 2019 9th Jan 2020 15th Jan 2020 25th Jan 2020
(Certificate in) Coding with Syntax	SXLY	19th Feb 2020 27th Feb 2020 29th Feb 2020 4th Mar 2020 11th Mar 2020 28th Mar 2020	SXATH	2nd April 2020 6th April 2020 25th April 2020 12th May 2020 19th May 2020 6th Jun 2020
(Certificate in) Mobile Applications Development	MALY	11th Oct 2019 14th Oct 2019 19th Oct 2019 1st Nov 2019 3rd Nov 2019 16th Nov 2019	MAATH	7th Jan 2020 8th Jan 2020 11th Jan 2020 16th Jan 2020 30th Jan 2020 8th Feb 2020
(Certificate in) Digital Citizenship	DZLY	16th Oct 2019 14th Nov 2019 23rd Nov 2019 25th Nov 2019 27th Nov 2019 7th Dec 2019	DZATH	2nd Mar 2020 9th Mar 2020 14th Mar 2020 30th Mar 2020 8th Apr 2020 11th Apr 2020
(Certificate in) Computer System	CSLY	10h Oct 2019 15th Oct 2019 19th Oct 2019 12th Nov 2019 21st Nov 2019 30th Nov 2019	CSATH	17th Oct 2019 24th Oct 2019 2nd Nov 2019 5th Nov 2019 7th Nov 2019 9th Nov 2019
(Certificate in) Web Development and HCI	WDLY	2nd Dec 2019 9th Dec 2019 14th Dec 2019 9th Jan 2020 15th Jan 2020 25th Jan 2020	WDATH	5th Feb 2020 12th Feb 2020 22nd Feb 2020 4th Mar 2020 11th Mar 2020 21st Mar 2020
(Certificate in) Robotics for the Classroom	RBLY	15th Oct 2019 22nd Oct 2019 9h Nov 2019 19th Nov 2019 26th Nov 2019 4th Jan 2020	RBATH	18th Mar 2020 24th Mar 2020 4th Apr 2020 7th Apr 2020 21st Apr 2020 2nd May 2020
(Certificate in) Database Technology	DBLY	6th Jan 2020 7th Jan 2020 18th Jan 2020 27th Jan 2020 28th Jan 2020 8th Feb 2020	DBATH	13th Feb 2020 20th Feb 2020 29th Feb 2020 5th Mar 2020 12th Mar 2020 28th Mar 2020
(Certificate in) Data Science	DSCLY	Not running in 2019/2020	DSCATH	Not running in 2019/2020

Date Colour Keys: Dates in **gold** are online preparatory reading. Dates in **blue** are Saturday classes on campus.
Please note: While every effort will be made to ensure that these dates are adhered to, circumstances beyond our control may result in changes. Minimum numbers are required for each course to run.

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