

Higher Diploma in Science in Computing for Educators

Programme designed for Teachers and Educators or those preparing for a role in the teaching and education sector - Flexible start dates, module selection and workload.

Modular Based - 10 ECTS credit modules at level 8 certification - Complete 6 modules (must include 4 mandatory modules) to achieve Higher Diploma. Applicants can take as few modules as they like per academic year or all 6.

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

"I completed the Higher Diploma in Computing for Educators in 2018-19. I found the workload was completely doable. The workshops that were held during the weekends and the support from the lecturers made this possible. I ended up completing another five modules. I have since received Teaching Council registration." *Rose Stockdale Programme Participant 2018/2019*



"Since finishing the course in May 2020, I have my H.Dip recognised by the teaching council and started a code club in the school. I threw myself in at the deep end, taking all 6 modules in one year. I was worried about the workload but the lecturers were extremely helpful and the timetable was excellent. All modules started from the beginning, no prior knowledge was needed." *Ciaran Curran Programme Participant 2019/2020*



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 ECTS credits and is at level 8. Educators can take as many or as few of the certificates that they wish but completing 6 certificates (must include the 4 mandatory modules) will enable the participant to convert their 60 credits into a Higher Diploma in Computing for Educators.

MODULES / MINOR AWARDS	MANDATORY /ELECTIVE	ECTS CREDITS
Certificate in Coding Principles	Mandatory	10
Certificate in Coding with Syntax	Mandatory	10
Certificate in Digital Citizenship	Mandatory	10
Certificate in Computer Systems	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



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Each module is run once in Athlone Education Centre (AEC) and once in Letterkenny IT (With the exception of Digital Citizenship which will be run once and entirely online). Applicants must specify correctly the module code of the certificate they wish to gain when applying. **Note:** Codes are different for Athlone Education Centre and Letterkenny IT.

MODULE	LYIT CODE	DATES	AEC CODE	DATES
(Certificate in) Coding Principles	CDPLY	04/10/2021 06/10/2021 09/10/2021 01/11/2021 03/11/2021 06/11/2021	CDATH	11/10/2021 13/10/2021 16/10/2021 15/11/2021 17/11/2021 20/11/2021
(Certificate in) Coding with Syntax	SXLY	17/02/2022 24/02/2022 12/03/2022 24/03/2022 31/03/2022 09/04/2022	SXATH	25/04/2022 28/04/2022 07/05/2022 16/05/2022 19/05/2022 28/05/2022
(Certificate in) Mobile Application Development	MALY	22/11/2021 24/11/2021 27/11/2021 29/11/2021 01/12/2021 04/12/2021	MAATH	01/02/2022 03/02/2022 05/02/2022 07/02/2022 09/02/2022 12/02/2022
(Certificate in) Digital Citizenship	DZLY	02/12/2021 09/12/2021 08/01/2022 12/01/2022 19/01/2022 22/01/2022	DZLY	02/12/2021 09/12/2021 08/01/2022 12/01/2022 19/01/2022 22/01/2022
Note: this module will run <u>ONCE</u> in the 21/22 academic year				
(Certificate in) Computer Systems	CSLY	05/10/2021 12/10/2021 23/10/2021 26/10/2021 02/11/2021 20/11/2021	CSATH	14/10/2021 21/10/2021 06/11/2021 23/11/2021 25/11/2021 27/11/2021
(Certificate in) Web Development and HCI	WDLY	01/02/2022 03/02/2022 05/02/2022 21/02/2022 23/02/2022 05/03/2022	WDATH	04/10/2021 06/10/2021 09/10/2021 12/10/2021 20/10/2021 23/10/2021
(Certificate in) Robotics for the classroom	RBLY	16/11/2021 30/11/2021 18/12/2021 11/01/2022 18/01/2022 29/01/2022	RBATH	19/10/2021 02/11/2021 13/11/2021 16/11/2021 30/11/2021 04/12/2021
(Certificate in) Database Technology	DBLY	04/10/2021 07/10/2021 16/10/2021 01/11/2021 08/11/2021 13/11/2021	DBATH	06/12/2021 08/12/2021 11/12/2021 06/01/2022 10/01/2022 15/01/2022
(Certificate in) Data Science	DSCLY	29/09/2021 01/10/2021 02/10/2021 12/10/2021 19/10/2021 30/10/2021	DSCATH	02/03/2022 09/03/2022 12/03/2022 16/03/2022 23/03/2022 26/03/2022

Date Color keys - Dates in **gold** are online preparatory reading. Dates in **blue** are Saturday classes on campus or online depending on HSE and DES guidelines in relation to covid-19.

To Apply or for further Information: Contact Dr. Nigel McKelvey - Email nigel.mckelvey@lyit.ie