



FREE POSTGRADUATE COMPUTING COURSE FOR ELIGIBLE PARTICIPANTS

Higher Diploma in Science in Computing (QQI Code: PG23217)

Irish NQF Level 8

Dublin City Centre Campus

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Springboard+ 2017 at the CCT College Dublin

CCT College Dublin is proud to be offering a two-year programme on the 2017 Springboard+ initiative. This programme is delivered at our state-of-the-art city centre campus.

Graduates from this programme will have the potential for employment within in the general ICT sector, and will be well placed to take up employment in many varieties of ICT organisations.

Computing programmes at Higher Education level are among the most sought after in Ireland today. This continued demand opens the possibility for careers in programming, software development, networking and databases administration. The Computing and ICT industry has been one of few employment opportunities in the Western world which have effectively survived the recession. It is widely reported that in Ireland there is still a critical shortage of highly skilled ICT development professionals.

Career Opportunities and Student Supports

The whole nature, structure, and learning delivery of this programme is applied and practical with job readiness in mind. This is achieved through the use of practical laboratory sessions throughout the programme. CCT aims to enhance the job readiness of learners by providing the following embedded elements within the programme:

- ❖ ICT Work Placement
- ❖ Continuous online and on campus tutorials on CV preparation, job-seeking, job readiness, life-coaching, and interview skills training
- ❖ A dedicated Careers Officer is provided by CCT to proactively assist learners with qualified advice and guidance on job-seeking, motivational and stress management techniques
- ❖ A dedicated Springboard Coordinator is provided by CCT to proactively assist learners with academic and general welfare issues throughout their programme
- ❖ Regular workshops (provided monthly for 3 hours) in professional development, academic report writing, stress and time management

Higher Diploma in Science in Computing

Key Programme Details

Award Diploma

NFQ Level 8

Duration 2 year, 12 hours/week (Two evenings and one Saturday per week)

Available Part Time

ECTS Credits 75 Department Computing

General Information

Contact Amanda Russell

Email amanda@cct.ie

Phone 01 633 3444

Address CCT, 30-34 Westmoreland St., Dublin 2

Important Dates

Application Deadline 14/09/2017

Start Date 18/09/2017 (week commencing)

About this Course

The Higher Diploma in Computing is designed for learners with either a level 7 degree in ICT, which is typically 5 years old or above, or a level 8 degree in a subject with a strong numerate, IT, or technical element such as accounting, engineering, science, digital media, etc. This programme enables learners to achieve the knowledge, skills and competencies required to earn a level 8 award in computing.

The programme aims to provide an opportunity for learners with level 7 degrees in ICT, to up-skill their knowledge and gain a competitive advantage in the computing sector. Additionally, this programme aims to provide an opportunity for learners with level 8 degrees outside the computing arena to reskill, moving their career trajectories to align with the computing sector.

This programme consists of the following 10 mandatory modules, plus one elective module:

Modules	Semester	Status	ECTS Credits
Software Development Fundamentals	1 & 2	Mandatory	10
Web Development	1	Mandatory	5
Databases	1	Mandatory	5
Networking & Virtualisation	1	Mandatory	5
Operating Systems & Architecture	2	Mandatory	5
Strategic Business IT	2	Mandatory	5
Professional Practice in IT	2	Mandatory	5
Algorithms and Constructs	3	Mandatory	10
Mobile Development	3	Mandatory	5

Cloud Based Web Applications	3	Mandatory	5
Guided Technology Project*	4	Elective	15
Work Placement	4	Elective	15
TOTAL CREDITS			75

This is a two year, part time, Honours Diploma programme, with contact hours delivered over evening and weekend schedule slots (to afford any enrolled student the opportunity to accept a daytime job offer and continue to completion of the course). This programme has been designed by CCT for QQI validation at level 8 on the Irish NFQ, with expert industry participation, and endorsement.

Academic Progression and Career Opportunities

Graduates may be eligible to further their studies at level 9 (Postgraduate Diploma or Masters) in Computing or one of many Computing-related disciplines (in Ireland or abroad), such as Computer Science, Computational Science, Information Systems, IT Management, Technology and Innovation Management, Information Security & Digital Forensics, Information Systems Processes, and others.

Graduates should be able to Secure employment in a range of entry-level and junior manager positions such as, but not limited to: database administrator, IT consultant, junior IT project manager, network engineer/administrator, programmer/software developer, technical support specialist, technical writer and web developer, web administrator, software testing and quality assurance roles.

This course is a great choice to candidates to upskill as:

- It provides a basis for further and transfer opportunities in higher education within the IT and Computing fields
- CCT is a specialist, independent provider of higher education, with a state of the art campus, ideally located in Dublin's city centre
- This programme comprises of practical lab and classroom learning, with supplemental online learning
- It prepares you for an abundance of roles in Computing and IT
- There is continuous online and on campus tutorials on CV preparation, job-seeking, job readiness, life-coaching, and interview skills training.

Objectives

This 2 year part time programme, comprises of 75 credits, 11 modules, delivered over four terms / semesters, and culminates with a 15 ECTS Work Placement module, or a Guided Technology Project module. The programme utilises a carefully architected programme schedule which starts with an immersion of the participants in a broad set of fundamentals in computing, progressing to a more specialised set of modules, deepening the knowledge, skills and competencies of participants, over the first 3 semesters. Finally, Semester 4 comprises of a Work Placement and Job Readiness

module, which entails an industry internship organised by CCT for three months, or an industry relevant Guided Technology Project.

The overall objectives of this programme are:

1. To provide learners, holding a cognate ICT degree (NFQ Level 7), that are normally more than five years old, with the opportunity to re-skill their career trajectories to align with the computing sector.
2. To provide learners with cognate discipline degrees (NFQ Level 8), to up-skill their knowledge and gain a competitive advantage in the computing sector.
3. To provide graduates with an award at level 8 on the National Framework of Qualifications.
4. To provide graduates with the ability to start or advance their Computing career by attaining a qualification which enables them to secure employment in a range of entry-level and junior manager positions.
5. To provide graduates with the foundation upon which they can further their studies at level 9 (M.Sc.) in Computing or one of many Computing-related disciplines (in Ireland or abroad) such as Computer Science, Computational Science, Information Systems, IT Management, Technology and Innovation Management, Information Security & Digital Forensics, Information Systems Processes, and others.

Entry Requirements

CCT has identified entry criteria and processes that will enable it to determine an applicant's potential to succeed on the proposed programme.

Learners submitting a direct entry application to the proposed programme should provide supporting documentation for application consideration, in line with any one of the below Access arrangements or minimum entry requirements:

Applicants should submit an application with evidence of the following:

a) A Level 7 Ordinary degree award in the discipline of Information Communications Technology (normally 5 years old or greater)

OR

b) A Level 8 Honours degree award in a cognate discipline of Information Communications Technology,

OR

c) Submission of an application based on Recognition of Prior Experiential Learning

For applicants whose first language is not English, evidence must be provided of English Language proficiency equivalent to or greater than B2+ in the CERFL. IELTS, TOEFL, Cambridge etc. will be accepted as evidence for equivalence assessment purposes.

Applicants may have limited, narrow, or no experience in computing. In cases where an applicant is experienced and may be granted exemptions, this will be managed in accordance with the CCT policy and, in all cases, a minimum of 60 credits of new

learning must be successfully completed in order to receive the award of Higher Diploma.

RPL and RPEL Information

In accordance with Government policy, CCT recognises that Prior Learning for any applicant and learner can take the following forms:

1. formal learning which takes place through programmes of study or training that are delivered by education or training providers, and which attract awards.
2. non-formal learning that takes place alongside the mainstream systems of education and training. It may be assessed but does not normally lead to formal certification.
3. informal learning that takes place through life and work experience. Applicants to CCT can receive recognition for awards, formal learning, and experiential learning received prior to an application for the chosen programme. The College will thoroughly assess potential applications through RPL and RPEL to ensure the applicant is prepared to commence the chosen CCT programme. All applications for RPL and RPEL will be assessed in accordance with CCT RPL and RPEL policy and procedures.

Delivery Location

CCT, 30-34 Westmoreland St., Dublin 2

Application Procedures

Please email info@cct.ie, or amanda@cct.ie, for full information on Application procedures.