

Free College Places



National
College of
Ireland

National College of Ireland is now offering a limited number of free fee places under the Springboard+ initiative. All of these courses are free of charge to eligible participants.

The majority of the courses are free regardless of your employment status.

Free courses open to all - employed and unemployed:

- Higher Diploma in Science in Data Analytics (Level 8)
- Higher Diploma in Science in Computing (Mobile Application Development - Level 8)
- Higher Diploma in Science in Computing (Cyber Security - Level 8)
- Higher Diploma in Fintech (Level 8)
- Higher Diploma in Science in Web Technologies (Level 8)

Online Courses

- Higher Diploma in Science in Computing - Online (Software Development, Cloud Computing and Mobile Application Development - Level 8)

Free courses open to unemployed only:

- Postgraduate Diploma in Data Analytics (Level 9)
- Postgraduate Diploma in Fintech (Level 9)
- Certificate in Digital Marketing (Level 8)

All applications must go through
www.springboardcourses.ie

For more information check out
www.ncirl.ie or call 1850 221 721

Higher Diploma in Science in Data Analytics

Location: IFSC Campus

Start Date: The course is expected to start week commencing 19th of September 2016.

Option A - Indicative Schedule Evening: Monday, Wednesday & Friday 18.00 – 22.00 and a number of Saturdays 09.00 – 18.00 (Every second week Monday will be a 17.00 start)

Option B - Indicative Schedule Evening: Tuesday, Thursday & Friday 18.00 – 22.00 and a number of Saturdays 09.00 – 18.00 (Every second week Tuesday will be a 17.00 start)

Duration: 1 Year - 3 Semesters from September to December 2016, January to May 2017 and May to July 2017.

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FREE TO ALL - This course is funded free to eligible applicants regardless of employment status

Course Description

The analysis and interpretation of data to address the problems of business and society is an area experiencing massive growth. Diverse areas such as insurance, retail, sports, finance, pharmaceutical and government are all looking for people with skills in analysing 'big data' to help them make more informed decisions. The course will furnish students with skills to enter the world of data analytics through building a foundation of strong statistical knowledge, developing problem-solving skills for business analysis, and helping you understand and use business data to deliver better decision making. This higher diploma will give you technical skills in statistics, programming, database management and web mining in addition to business skills such as business analysis that will help you make an impact in a wide range of roles.

As a graduate of this course you will be able to:

- Develop statistical skills to carry out effective data analyses using descriptive and inferential statistics within a business context
- Solve real business problems using generally accepted practices in the field of business analysis supported by the choice and application of appropriate data analysis tools
- Develop technical skills to process multiple datasets using relevant modelling, programming, data storage, and computational techniques
- Communicate effectively the results of data analysis to both technical and non-technical audiences

- Apply analytical thinking techniques, communication, and interaction skills to support decision making and address business requirements
- Apply data-mining and knowledge discovery techniques to process datasets from multiple diverse data sources

Career Prospects

88% of those that completed the programme in 2015 were in employment within 3 months. 7% were undertaking further study and 5% were seeking employment. Of those students that successfully secured new roles within 3 months of completing the programme companies included: Colgate Palmolive (Graduate Programme), Aon (Data Analyst), J2 Global (Data Analyst), Dawn Meats (BI Developer), 3 Ireland (Financial Analyst), Analytics Partners (Junior Analyst), Bord Na Mona (Analyst), CSO (Data Analyst), Certus (Business Analyst), A&L Goodbody (Snr. Support Analyst), AIB (Information Analyst), Interactive Data (Financial Research Analyst), Ancestry.com (Marketing Data Analyst), Chill Insurance (Data Analyst), Xanadu (Sports Analyst), Marsh & McLennan (Data & Quality Analyst), Permanent TSB (Analyst) and Aon (Insights Analyst).

Who is the course for?

The programme is particularly suitable for those with numeracy skills. You do not need to have previously studied programming. However, given the timeframe and the amount of technical and statistical content applicants should be prepared to fully commit to the programme.

Award and Progression

The Higher Diploma in Science in Data Analytics is awarded by QQI at level 8 on the National Framework of Qualifications.

Course Content

Semester 1

- Introduction to Data Analytics
- Business Analysis and Communication
- Business Data Analysis
- Programming for Big Data
- Career Bridge

Semester 2

- Data and Web Mining
- Advanced Business Data Analysis
- Data Visualization (Elective) or
- Domain Skills (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 3

- Project

Work Placement will occur either during term time or upon course completion.

Academic Entry Requirements

Applicants holding an honours degree (level 8 or equivalent) in any discipline will be considered. Candidates will be able to demonstrate technical or mathematical skills as part of previous learning. Typically holders of more numerate degrees in areas like maths, engineering, architecture, physics or economics are likely to gain higher ranking in selection for the programme. Candidates with other level 8 honours degrees will also be considered and will need to be able to demonstrate technical or mathematical skills in addition to their level 8 qualification. For candidates who do not have a level 8 qualification, the college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience.

Laptop Requirements

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; wifi card; and a recent installed release of Mac OS or Windows operating system. It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT cannot provide support to personal devices.

If your course requires internet access you will be required to ensure you have sufficient broadband speed and reliable connectivity from your place of study.

Assessment

The course will be assessed with a blend of continuous assessment and exams. This varies between modules but typically assessment is 50% continuous assessment and 50% exam. Please note that in some instances exams may take place in the daytime and at weekends.



Higher Diploma in Science in Web Technologies

Location: IFSC Campus

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule Evening: Monday, Wednesday & Friday 18.00 – 22.00 and a number of Saturdays 09.00 – 18.00 (Every second week Monday will be a 17.00 start)

Duration: 1 Year - 3 Semesters from September to December 2016, January to May 2017 and May to July 2017.

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FREE TO ALL - This course is funded free to eligible applicants regardless of employment status

Course Description

Ireland is home to the top 10 'born on the internet' companies. This course will provide you with the skills to take your place among them, to start work on number 11, or simply to apply web technologies to your own organisation. You will gain experience with the latest technologies and tools with a focus on standards based development and best practices.

Who is the course for?

This course is for non-technical professionals in the workplace and college graduates from non-technical disciplines at level 8 on the National Framework of Qualifications. It should be noted that the course contains a large amount of technical content and independent study on projects and assessments.

As a graduate of this course, you will be able to:

- Create web applications using the latest frameworks
- Model data, implement databases and connect them to web applications
- Engineer a web application from requirements through analysis, design, implementation and testing
- Utilise modern data-interchange tools and asynchronous communication
- Use the latest APIs to develop interactive and engaging solutions
- Architect and implement a full stack application using best practice coding standards

Career Prospects

Recent graduates from this programme secured roles in web development, web design, server engineering, graphic design, technical support, and I.T. administration. Employers spanned both indigenous and multinational companies including Comtech (Server Engineer), ExSite.ie (Web Developer), RR Donnelly (Graphic Designer), Ryanair (Internal Communications Officer), Google Maps (Local Data Evaluator), State Street (Client Services Officer), Ripple Platform (Tech Support Executive), Homestays (Ruby-on-Rails Developer). Students also chose self-employment following the course, in graphic design and commercialising an app.

Course Content

Semester 1

- Object Oriented Software Engineering
- Web Design
- Introduction to Databases
- Server Side Web Technologies
- Career Bridge

Semester 2

- Digital Multimedia
- Web Application Development
- Computer Architecture, Operating Systems and Networks (Elective) or
- Skills for the Web Technologies Domain (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 3

- Project

Work Placement will occur either during term time or upon course completion.

Award and Progression

The Higher Diploma in Science in Web Technologies is awarded by QQI at level 8 on the National Framework of Qualifications. Students who successfully complete this course may progress to a major award at level 9 such as the Masters of Science in Web Technologies.

Academic Entry Requirements

Applicants holding an honours degree (level 8) in any discipline will be considered for the course. The college operates a Recognition of Prior Experiential Learning (RPEL) scheme meaning applicants who do not meet the normal academic requirements may be considered based on relevant work and other experience. This may be assessed using a portfolio of learning, demonstration of work produced and interview.

*Note that all modules count towards the final award classification.

Assessment

The course will be assessed with a blend of project work and exams. This varies between modules but typically assessment is 50% continuous assessment and 50% exam. Please note that in some instances exams may take place in the daytime and at weekends.

Higher Diploma in Science in Computing

(with specialisation in Mobile Application Development)

Location: IFSC Campus

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule Evening: 1 Year Schedule - Monday, Wednesday 18.00 – 22.00 and every Saturday 09.00 – 18.00 (Every second week Monday will be a 17.00 start)

Duration: 1 Year - 3 Semesters from September to December 2016, January to May 2017 and May to July 2017

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FREE TO ALL - This course is funded free to eligible applicants regardless of employment status

Course Description

The course will teach you the computing fundamentals but as you progress you will gain specialised skills in mobile application development with focused modules bringing you quickly to the industry entry standard. This level 8 programme provides further knowledge and skills on wireless and mobile communication technologies, and mobile applications development. You will be developing applications using various media, analysing and learning about various mobile platforms, languages, wireless technologies such as Xcode or Android Studio, Java and/or Swift, HTML5, CSS3 and JavaScript, Ruby on Rails or other cloud framework, WiMAX, Wi-Fi, Bluetooth, etc.

In addition to technical content the career development module Career Bridge will encourage learners to take responsibility and ownership for the development of their own career strategy and will tutor them in devising career development, networking, job search and interview strategies. Learners will work collaboratively with their work placement advisor to source an appropriate 3-6 month work placement.

Who is the course for?

This course will appeal to graduates with a level 8 degree from different backgrounds who would wish to transfer into ICT. It will also appeal to graduates who would like to upgrade their skills and knowledge in order to increase their employment potential in the IT sector.

Career Prospects

The modules for the course were chosen to suit the needs of this sector and thus securing future employment for graduates. As graduates from other disciplines and with work experience, learners will have life skills and experiences that they will bring with them on the programme and into a new subject domain. Therefore, they are eligible for a number of roles. They may avail of entry-level ICT related positions, mobile developer, mobile engineer, mobile

designer, mobile software designer, solution developer, Java developer, mobile software developer, mobile software engineer, mobile application developer. They can also work in their primary experience/ qualification domain related job by applying ICT knowledge gained through this programme. 73% of the students who graduated from the Higher Diploma in Mobile Apps programme in 2015 were in employment within 3 months. Of those students that successfully secured new roles within 3 months of completing the programme companies included: Auxillion (Junior Developer), OneVision (Supergrad Graduate Programme), and Fierce Fun (Mobile Developer x 2).

Award and Progression

For all streams your final award will be a Higher Diploma in Science in Computing as awarded by QQI at level 8 on the National Framework of Qualifications. Students who successfully complete this course may be eligible to progress to a major award at level 9 on the NFQ.

Academic Entry Requirements

A level 8 degree or its equivalent in a non-cognate discipline. Non-standard applications will be also considered on an individual basis. The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience. This may be assessed through an interview and assessment.

Course Content

Semester 1

- Object Oriented Software Engineering
- Software Development
- Web Design
- Computer Architecture Operating Systems and Networks
- Introduction to Databases
- Career Bridge

Semester 2

- Fundamentals of Mobile Communication
- Multimedia and Mobile Application Development
- Advanced Mobile Application Development
- Server Side Development (Elective) or
- Skills for the Computing Domain (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 3

- Project

Work Placement will occur either during term time or upon course completion.

Assessment

The course will be assessed with a blend of continuous assessments and/or project work and exams. This varies between modules but typically assessment is 40%-60% continuous assessment, 60%-40% exam, and 100% continuous assessment. Please note that in some instances exams may take place in the daytime and at weekends.

Higher Diploma in Science in Computing

(with specialisation in Cyber Security)

* Subject to QQI validation

Location: IFSC Campus.

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule: Monday & Wednesday 18.00 -22.00 & every Saturday 09.00 - 18.00. (Every second Monday will be a 17.00 start).

Duration: 1 Year - 3 Semesters from September to December 2016, January to May 2017 and May to July 2017

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FREE TO ALL - This course is funded free to eligible applicants regardless of employment status

Course Description

As more and more of our lives moves to the online domain the need for cybersecurity increases and this is an area of significant job opportunity. The course teaches students the computing fundamentals complemented with detailed knowledge, problem-solving and specialised technical skills required for application security development, forensic investigation, application/service vulnerability detection and incident detection. Cyber security is an essential need for a modern society, the field has the fastest growth rate while the labour market encounters a severe workforce shortage. This programme is delivered by leading industry practitioners and will give you a recognised qualification and relevant up-to-date skills.

Career Prospects

The modules for the course were chosen to suit the needs of this sector and thus securing future employment for graduates. As graduates from other disciplines and with work experience, students will have life skills and experiences that they will bring with them on the programme and into a new subject domain. Therefore, they are eligible for a number of roles. In particular this programme will equip the graduates for entry-level information security roles such as security analyst, entry-level cyber security engineer, cyber security tester and computer forensics examiner. The graduates can also work in their primary experience/qualification domain related job by applying ICT knowledge gained through this programme.

Who is the course for?

This course will typically appeal to those who possess a level 8 qualification in any discipline and wish to transfer into the world of cyber security. Nonetheless, it is noted that the course

is technical in nature and will entail a significant amount of independent study. Given the content and the timescale you will need to have a strong commitment to the course and a willingness to fully engage with the technical content.

Award and Progression

For all streams your award will be a Higher Diploma in Science in Computing awarded by QQI at level 8 on the National Framework of Qualifications (NFQ). (Subject to QQI Validation). Students who successfully complete this course may be eligible to progress to a major award at level 9 on the NFQ.

Indicative Course Content

(Modules subject to change)

Semester 1

- Object Oriented Software Engineering
- Software Development
- Computer Architecture Operating Systems and Networks
- Introduction to Databases
- Web Design
- Career Bridge

Semester 2

- Security Principles
- Fundamentals of Secure Programming
- Penetration Testing
- Digital Forensics (Elective) or
- Skills for the Computing Domain (Elective) - these 2 modules are mutually exclusive
- Career Bridge

Semester 3

- Project

Work Placement will occur either during term time or upon course completion.

Academic Entry Requirements

A level 8 degree or its equivalent in a non-cognate discipline. Non-standard applications will be also considered on an individual basis. The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements may be considered based on relevant work and other experience. This may be assessed through an interview and assessment.

Assessment

The course will be assessed with a blend of continuous assessments and/or project work and exams. This varies between modules but typically assessment is 50% continuous assessment and/or project and 50% exam. Please note that in some instances exams may take place in the daytime and at weekends.

Higher Diploma in FinTech

* Subject to QQI validation

This programme is available on a One or Two Year Schedule

Location: IFSC Campus.

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule Evening:

1 Year Schedule - Monday, Wednesday & Friday 18.00 – 22.00 (Every second week Monday will be a 17.00 start)

OR

2 Year Schedule – Year 1 - Monday & Friday 18.00 – 22.00; Year 2 - Monday, Wednesday & Friday 18.00 – 22.00 (Every second week Monday will be a 17.00 start)

Duration: 1 Year - 3 Semesters from September to December 2016, January to May 2017 and May to July 2017

Or 2 Year - 4 Semesters from September to December 2016, January to May 2017, September to December 2017 & January to May 2018

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FREE TO ALL - This course is funded free to eligible applicants regardless of employment status

Course Description

Finance, stereotypically is seen as a highly regulated industry dominated by banks that resist disruption and change. However, finance is now riding an entrepreneurial wave due to an influx of highly available and powerful computing resources and electronic services, accessible forms of data analytics, and disruptive technologies like BitCoin, WePay and Kickstarter. This course will provide you with the latest knowledge and competencies at the intersection of finance and technology; the rapidly evolving area that is Fintech. NCI is perfectly placed to deliver an industry-focused programme inspired by its location at the heart of the International Financial Services Centre. The course is completely delivered by faculty and industry practitioners with established experience in the Fintech domain.

Career Prospects

The Fintech area is an area of rapid growth and significant job opportunity and this programme will give you the skills and a recognised qualification to avail of these opportunities. This course has been designed in consultation with industry to provide graduates with relevant skills. It can equip you for roles such as business analyst, data analyst, financial analyst, quantitative first and second tier support, back, and mid office analytics, portfolio analyst, funds analyst and risk analyst.

Who is the course for?

This course will typically appeal to those who possess a level 8 qualification in any discipline and wish to transfer into the world of Fintech. This interdisciplinary course will appeal to graduates with a level 8 qualification in areas like finance, computing and business seeking to enter the Fintech domain; and industry practitioners seeking to gain an introduction and exposure to the Fintech domain. Nonetheless, it is noted that the course is technical in nature and will entail a significant amount of independent study. Given the content and the timescale you will need to have a strong commitment to the course and a willingness to fully engage with the technical content.

Award and Progression

Higher Diploma in FinTech as awarded by QQI at level 8 on the National Framework of Qualifications.

Course Content for students taking the one year programme (modules may change)

Semester 1

- e-Finance and Services
- Business Data Analysis
- Data Governance, and Cybersecurity
- Career Bridge

Semester 2

- Analysing Financial Data
- e-Contracts and Payments
- An Introduction to Data Forensics and Auditing – (Elective) or
- Contemporary Topics in FinTech Seminar - (Elective) or
- Domain Skills in FinTech – (Elective) - the 3 modules are mutually exclusive
- Career Bridge

Semester 3

- Project

Course Content for students taking the two year programme (modules may change)

Year 1 Semester 1

- e-Finance and Services
- Business Data Analysis
- Career Bridge

Year 1 Semester 2

- Analysing Financial Data
- e-Contracts and Payments
- Career Bridge

Year 2 Semester 1

- Data Governance, and Cybersecurity
- An Introduction to Data Forensics and Auditing – (Elective) or
- Contemporary Topics in FinTech Seminar (Elective) or
- Domain Skills in FinTech – (Elective) - the 3 modules are mutually exclusive
- Career Bridge
- Project

Year 2 Semester 2

- Work Placement

Work Placement will occur either during term time or upon course completion.

Academic Entry Requirements

A level 8 degree or its equivalent in a non-cognate discipline. Non-standard applications will be also considered on an individual basis. The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience. This may be assessed through an interview and assessment.

Funding

Please note funding restrictions apply for the 2 year ICT Skills funded courses. Please refer to <http://springboardcourses.ie/eligibility> for further details.

Laptop Requirements

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; wifi card; and a recent installed release of Mac OS or Windows operating system. It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT cannot provide support to personal devices. If your course requires internet access you will be required to ensure you have sufficient broadband speed and reliable connectivity from your place of study.

Assessment

The course will be assessed with a blend of continuous assessments and/or project work and exams. This varies between modules but typically assessment is 40%-60% continuous assessment and 40%-60% exam. Please note that in some instances exams may take place in the daytime and at weekends.

Higher Diploma in Science in Computing

(with choice of specialisation in Software Development, Cloud Computing or Mobile Application Development) – 2 years online

Location: Online Delivery

Start Date: The course is expected to start week commencing 19th of September 2016.

Option A - Indicative Schedule: Tuesday, Thursday and Friday 18.00 -22.00 (Every second Tuesday will be a 17.00 start).

Option B - Indicative Schedule: Monday, Wednesday and Friday 18.00 -22.00 (Every second Monday will be a 17.00 start).

Duration: 2 Years - 4 Semesters from September to December 2016, January to May 2017, September to December 2017 & January to May 2018.

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible applicants. The scheme does not cover any allowance for books or materials.

FUNDING - This course is funded free to eligible applicants. Please see funding section on page 9

Course Description

This course will appeal to non-technical professionals or graduates with a level 8 degree from different backgrounds who would like to upgrade their skills in the computing domain, helping them to progress faster in their employment or to apply the gained knowledge in their current role.

The course teaches students the computing fundamentals, complemented with detailed knowledge, problem-solving and specialised technical skills required for designing, developing and deploying software. The course offers three specialisations: Software Development, Cloud Computing and Mobile Application Development, which bring the participants quickly to the industry entry standard for the chosen specialisation.

The Software Development specialisation offers learners detailed knowledge, problem-solving and technical skills in the area of software development using Java programming language and the Ruby on Rails framework.

The Cloud Computing specialisation provides a rigorous yet highly-practical education in the core topics of cloud computing including business, technical (Software as a Service (SaaS)) and legal aspects of cloud computing.

The Mobile Application Development specialisation provides further knowledge and skills on mobile communication technologies and mobile applications development for various mobile platforms.

The students will consolidate the acquired knowledge and skills by carrying out a 3-6 month work-placement. The Career Bridge module will help the students to enhance their employability skills and improve their overall career prospects. Graduates may avail of many jobs such as software application/cloud application/mobile application designer, developer and tester.

Career Prospects

The modules for the course were chosen to suit the needs of this sector and thus securing future employment for graduates. Of those that successfully secured roles after completing the programme companies included: Amazon Web Services (Cloud Support Associate), Citrix (ZenServer & Cloud Platform Specialist), Accenture (SMB Customer support), Caceis (Business Analyst), Ericsson Masters Programme (Software Developer), J.M. Computer Services (I.T. Support specialist), Dell (Channel Account Manager), Typetech (Technical Services Manager).

Software Development specialisation:

In particular this programme will equip the graduates for entry-level ICT related positions that require designing, implementing, testing and deploying of software solutions. The graduates can also work in their primary experience/qualification domain related job by applying ICT knowledge gained through this programme. From the recent students who completed the programme 58% found employment within three months of the course finishing and 23% went on to further education. Employment opportunities for this cohort of students included such companies as: VRM Technology (Project Director), Glenbrier Ltd (Engineer), Kantar Media (Business Developer), UCD (Programmer), Dara Creative (Systems Administrator), General Motors Systems

Administrator), IE Internet (Web Content Administrator), Evolve (lead Interactive Developer), Vizor Software (Analyst / Tester), Defiant Game (Programmer), Bankhawk (Developer), Curam Software (Java Developer), Fineos (Software Test Engineer), Meteor (SMC Engineer), SAP (Business Objects Intern).

Cloud Computing specialisation:

It is expected that a graduate of this programme should be able to work in ICT entry-level positions such as cloud application developer, cloud solutions architect and software developer. The graduates can also work in their primary experience/qualification domain related job by applying ICT knowledge gained through this programme.

Mobile Applications Development specialisation:

In particular this programme will equip the graduates for entry-level roles such as developer of mobile applications deployed in the cloud.

The graduates can also work in their primary experience/qualification domain related job by applying ICT knowledge gained through this programme.

Who is the course for?

This course will typically appeal to graduates with a level 8 degree from different backgrounds who would wish to change their non-ICT qualification into the computer science field through a level 8 award in computing. Nonetheless, it is noted that the course is technical in nature and will entail a significant amount of independent study. Given the content and the timescale you will need to have a strong commitment to the course and a willingness to fully engage with the technical content.

Online Delivery

This course is delivered 100% online, using robust and flexible online classroom technology that allows the learner to interact with the lecturer and their peers in a highly engaging online environment, from a suitable location of your choice.

Award and Progression

For all streams regardless of specialisation your final award will be a Higher Diploma in Science in Computing as awarded by QQI at level 8 on the National Framework of Qualifications (NFQ). Students who successfully complete this course may be eligible to progress to a major award at level 9 on the NFQ.

Course Content

The proposed Programme Schedule for the Higher Diploma in Science in Computing for online delivery across 2 years is presented below for each of the following specialisations: Cloud Computing, Software Development and Mobile Application Development.

Cloud Computing specialisation

Year 1 Semester 1

- Web Design
- Software Development
- Computer Architecture Operating Systems and Networks
- Career Bridge

Semester 2

- Object Oriented Software Engineering
- Introduction to Databases
- Cloud Application Development
- Web Services and API Development
- Career Bridge

Year 2 Semester 1

- Project
- Cloud Computing in Business
- Practical Operating Systems (Elective) or
- Skills for the Computing Domain (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 2

- Work placement

Software Development specialisation

Year 1 Semester 1

- Web Design
- Software Development
- Computer Architecture Operating Systems and Networks
- Career Bridge

Semester 2

- Object Oriented Software Engineering
- Introduction to Databases
- Data Structures and Algorithms
- Web Services and API Development
- Career Bridge

Year 2 Semester 1

- Project
- Advanced Programming
- Server Side Development (Elective) or
- Skills for the Computing Domain (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 2

- Work placement

Mobile Application Development specialisation

Year 1 Semester 1

- Web Design
- Software Development
- Computer Architecture Operating Systems and Networks
- Career Bridge

Semester 2

- Object Oriented Software Engineering
- Introduction to Databases
- Fundamentals of Mobile Communication
- Multimedia and Mobile Application Development
- Career Bridge

Year 2 Semester 1

- Project
- Advanced Mobile Application Development
- Server Side Development (Elective) or
- Skills for the Computing Domain (Elective) – these 2 modules are mutually exclusive
- Career Bridge

Semester 2

- Work placement

*Specialisations subject to student numbers.

Academic Entry Requirements

A level 8 degree or its equivalent in a non-cognate discipline. Non-standard applications will be also considered on an individual basis.

The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements may be considered based on relevant work and other experience. This may be assessed through an interview and assessment.

Funding

Please note funding restrictions apply for the 2 year ICT Skills funded courses. Please refer to <http://springboardcourses.ie/eligibility> for further details.

Laptop Requirements

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; wifi card; and a recent installed release of Mac OS or Windows operating system. It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT cannot provide support to personal devices.

As this course requires internet access you will be required to ensure you have sufficient broadband speed and reliable connectivity from your place of study.

Assessment

The course will be assessed with a blend of online continuous assessment and/or project work. Please note that in some instances the assessment may take place in the daytime and at weekends.

Postgraduate Diploma in Science in Data Analytics

Location: IFSC Campus.

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule: Tuesday, Thursday 18.00 – 22.00 and every Saturday 09.00 – 16.00 (Every second Tuesday will be a 17.00 start).

Duration: 2 Semesters from September to December 2016 and January to May 2017.

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible unemployed persons. This postgraduate course is not funded for those currently in employment. The scheme does not cover any allowance for books, laptop, or materials.

Course Description

This course aims to produce technically competent, innovative graduates that will become leading practitioners in the field of data analytics. Upon completion, graduates will be able to:

- Conduct independent research and analysis in the field of data analytics
- Demonstrate expert knowledge of data analysis and statistics
- Critically assess and evaluate business and technical strategies for data analytics
- Develop and implement business and technical solutions for data analytics

The course is designed to accommodate those with specific interests in data analytics, whether that may be of a more technically or a more business focused nature. Students will gain exposure to product commercialisation issues associated with data analytics. The course is delivered by faculty and practitioners using academic research, industry-defined practical problems, and case studies.

Career Prospects

Ireland could create 12,750 to 21,000 jobs in data analytics according to the Forfás and the Expert Group on Future Skills Report. This course is focused on providing graduates with the ability to work in the data analytics sector and take advantage of this demand. Graduates will be capable of creating specialist start-ups or fulfilling roles such as Data Scientist, Business Intelligence Analyst, Knowledge and Informatics Engineer, Data Analyst and Data Mining Engineer.

Who is the course for?

This course is for graduates who have substantial technical and mathematical skills. Graduates from non-STEM disciplines (Science, Technology, Engineering, and Mathematics) that have not developed these skills will need to be able to demonstrate an aptitude for technical and mathematical problem solving.

Course Content

Semester 1

- Statistics for Data Analytics
- Data Warehousing and Business Intelligence
- Strategic ICT & eBusiness Implementation
- Data Storage and Management - Elective
- Managing the Organisation - Elective
- Career Bridge

Semester 2

- Advanced Data Mining
- Research in Computing
- Data Visualisation
- Analytical CRM - Elective
- Programming for Data Analytics - Elective
- Career Bridge

Students must complete one elective module per semester. Work placement will occur either during term time or upon course completion.

Award and Progression

A Postgraduate Diploma in Data Analytics is awarded by QQI at level 9 on the National Framework of Qualifications.

Academic Entry Requirements

A minimum of a level 8 (honours degree) qualification (2.2 or higher) or equivalent on the National Qualifications Framework. Applicants may be from a cognate/STEM or non-cognate background. For candidates who do not have a level 8 qualification the college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience. Non-English speaking applicants must demonstrate fluency in the English language as demonstrated by IELTS academic score of at least 6.5 or equivalent.

Laptop Requirements

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; wifi card; and a recent installed release of Mac OS or Windows operating system. It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT cannot provide support to personal devices. If your course requires internet access you will be required to ensure you have sufficient broadband speed and reliable connectivity from your place of study.

Assessment

The course will be assessed with a blend of project work and exams. This varies between modules but typically assessment is 50% continuous assessment and 50% exam. Please note that in some instances exams may take place in the daytime and at weekends.

Postgraduate Diploma in Fintech

* Subject to QQI validation

Location: IFSC Campus.

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule: Tuesday, Thursday 18.00 – 22.00 and every Saturday 09.00 – 16.00 (Every second Tuesday will be a 17.00 start).

Duration: 2 Semesters from September to December 2016 and January to May 2017.

Applications: apply online at www.springboardcourses.ie

Fees: Free to eligible unemployed persons. This postgraduate course is not funded for those currently in employment. The scheme does not cover any allowance for books, laptop, or materials.

Course Description

Finance, stereotypically is seen as a highly regulated industry dominated by banks that resist disruption and change. However, finance is now riding an entrepreneurial wave due to an influx of highly available and powerful computing resources and electronic services, accessible forms of data analytics, and disruptive technologies like BitCoin, WePay and Kickstarter. This course will provide you with the latest knowledge and competencies at the intersection of finance and technology; the rapidly evolving area that is FinTech. NCI is perfectly placed to deliver an industry-focused programme inspired by its location at the heart of the International Financial Services Centre. This is a postgraduate course with a deeper level of content than the Higher Diploma level 8 programme which is also available. Graduates will have in depth knowledge and skills in the core topics of FinTech including: e-Finance, data governance and compliance, data analysis and visualisation, cybersecurity and IT auditing, big data analytics, high level as well as deep financial analysis skills.

Career Prospects

The course has been developed with industry to provide graduates for in demand roles such as data analyst, financial analytics, digital forensics and auditing roles, business analysts, financial engineer, information office, portfolio management, capital market analyst, funds analysts, blockchain technologies trader, digital trader and areas of risk management.

Who is the course for?

The course will appeal to students from a variety of disciplines (e.g., computing, engineering, economics, business and accounting) who wish to develop their careers or move into the world of FinTech.

Award and Progression

The Postgraduate Diploma in Science in Fintech is awarded by QQI at Level 9 on the National Framework of Qualifications. (Subject to QQI Validation)

Indicative Course Content (modules may change)

- Financial Markets
- Data Analytics
- Data Governance and Compliance
- Information Assurance and Cyber Security
- Career Bridge

Semester 2

- Blockchain Technologies
- Financial Analytics
- Contemporary Topics in FinTech
- Digital Forensics and Auditing -Elective
- Crowd Markets – Elective
- Career Bridge

Work placement will occur either during term time or upon course completion

Academic Entry Requirements

A level 8 degree (2.2 award) or its equivalent in computer science or a cognate discipline.

The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience. Non-English speaking applicants must demonstrate fluency in the English language.

Laptop Requirements

This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor (Intel i5 or superior); 250+ GB of hard disk; wifi card; and a recent installed release of Mac OS or Windows operating system. It is the responsibility of the student to ensure their laptop is functioning correctly and that they have full administrator rights to the machine. NCI IT cannot provide support to personal devices.

If your course requires internet access you will be required to ensure you have sufficient broadband speed and reliable connectivity from your place of study.

Assessment

The course will be assessed with a blend of project work and exams. This varies between modules but typically assessment is 50% continuous assessment and 50% exam. Please note that in some instances exams may take place in the daytime and at weekends.

Certificate in Digital Marketing

Location: IFSC Campus

Start Date: The course is expected to start week commencing 19th of September 2016.

Indicative Schedule: Wednesday and Friday 18.30 to 21.30 (There will also be some additional scheduled hours for Career Bridge)

Duration: 2 semesters from September to December 2016 and January to May 2017 plus Industry based placement

Applications: apply online at www.springboardcourses.ie
Fees: Free to eligible persons. The scheme does not cover any allowance for books or materials.

Fees: Free to eligible unemployed persons. This course is not funded for those currently in employment. The scheme does not cover any allowance for books, laptop, or materials.

Course Description

Digital technologies have transformed marketing and the way in which companies communicate with customers. Digital marketing has also created numerous job opportunities with a shortage of qualified people. This is a degree level course designed by leading practitioners and delivered in state-of-the-art computer labs. The course differs from others in that it is extremely practical and you will work on live projects. We will also have a range of guest speakers from industry. You will learn by doing through the use of websites and blogs and platforms like Twitter, LinkedIn and project management tools used in the sector. The course will give you a deep understanding of the latest thinking, tools and techniques needed to drive an organisation online. You will be able to create and implement impactful digital strategies, a skill set much in demand in today's marketing world.

Career Prospects

As online marketing continues to grow there are major opportunities. Graduates have used this qualification to develop a digital strategy for their own businesses and others have moved into digital marketing for an agency or an organisation. This course has seen IT graduates or webmasters add marketing skills to their technical abilities and increase their employability as web designers. Other job titles the course is preparing people for include: Digital Marketing Assistant; Trainee Digital Account Executive, Digital Sales Executive, SEO Executive, PPC Manager.

Who is the course for?

For those with marketing/communication skills wishing to update their digital understanding and for those from technical backgrounds who wish to appreciate how digital marketing works.

Award and Progression

The Certificate in Digital Marketing is a Special Purpose Award (30 ECTS credits) awarded by QQI at level 8 on the National Framework of Qualifications.

Course Content

Digital Marketing Landscape and Strategy

- Evolution of the digital landscape
- New media, consumer behaviour and expectations
- Legal Environment
- Current and near-future trends
- Digital within the traditional marketing mix
- The development, implementation and evaluation of a digital marketing strategy

Project Management and Measurement for Digital Marketing

- Structured approaches to web project management
- Measurement and Analytics
- Permission based marketing, both email and social
- Social media monitoring
- Technology and User Experience
- User Experience UX design
- Writing for the web, content strategy and the semantic web
- The convergence and integration of emergent technology
- Beyond the web looking at other devices

Social Media Marketing & PR

- Social Strategy
- Nature of social media and the convergence of technology and communications channels
- Social media for business
- Creating and editing online video, audio and podcasting
- Online advertising and online PR
- Career Bridge

Work Placement will occur either during term time or upon course completion.

Academic Entry Requirements

A degree or equivalent at level 8 in marketing or a related field such as business or communications. Applicants who hold a minimum level 8 or equivalent qualification in a non-cognate field but with work experience in a related area may also be eligible for entry onto the course.

The college operates a Recognition of Prior Experiential Learning (RPEL) scheme - meaning applicants who do not meet the normal academic entry requirements, may be considered based on relevant work or other experience. Non-English speaking applicants must demonstrate fluency in the English language.

Assessment

The course will be assessed with projects and continuous assessment. There are no exams.

Why Choose NCI

NCI has over 60 years' experience working with adult students. All programmes under Springboard+ are accredited by QQI, so they are recognised nationally and internationally.

The college provides a supportive environment and tailored facilities for students returning to education after a number of years. In particular for Springboard+ a dedicated programme leader will look after the organisation of your course and make sure all your needs are met.

All our programmes are practical and are delivered by industry experts. We benefit from a convenient location with the LUAS just outside the door and we are minutes from Connolly Station. Career Bridge, Work Placement, industry based projects and a dedicated team of career development professionals will work with you to help you gain the most from your qualification and get back into the workforce, or develop your career.

Eligibility

The Springboard+ and ICT Skills scheme allows for 100% funding of the tuition cost of these programmes. For all the 1 Year ICT Skills funded Higher Diploma Programmes offered under this scheme students are eligible regardless of their employment status. Please note funding restrictions apply for the 2 year ICT Skills funded courses. Please refer to <http://springboardcourses.ie/> eligibility for further details.

For the Postgraduate diploma in Data Analytics, Postgraduate Diploma in FinTech and the Certificate in Digital Marketing students generally must be in receipt of unemployment benefit.

Terms and conditions apply.

Application

Please feel free to contact us on 1850 221 721 to enquire about an application.

All applicants must apply online at www.springboardcourses.ie Please note participants must meet NCI's academic admission criteria for any courses.

Eligibility for funding does not infer eligibility for the course. All courses and specialisations run subject to student numbers.

Places Available:

Demand for these programmes is expected to exceed the number of available places. Places will be offered on a first come first served basis for eligible applicants.

A cut-off date for applications may also apply and this will be posted on our website.

Social welfare payments

For those in receipt of social welfare payments participants on these programmes will retain their payments subject to them meeting the normal requirements of being available for and seeking employment. Social welfare queries should be addressed to the Dept. of Social Protection

Course Funding in the event of obtaining a job

For courses where employment status is relevant. - Should you obtain a job during your course of study the funding will remain in place for the duration of your course. The timing of the classes is aimed to allow people to work and study at the same time. If you do gain employment during the course please contact us to see how we can best facilitate you completing your course. If you do not qualify under Springboard+ you may apply directly to National College of Ireland for our fee paying courses at admissions@ncirl.ie

Information Sessions

National College of Ireland will host information sessions throughout the summer so you can discuss the programme and decide which course is right for you.

For Further Information Contact

Tel: 1850 221 721

Web: www.ncirl.ie

Email: springboard@ncirl.ie

Career Bridge and Work Placement

Assisting students develop and achieve their career goals is a core mission within the NCI Career Development & Employability Office who have won the AHECS "Excellence in Employability Award" for 2013, 2014 and 2016.

We have a team of senior recruitment experts and guidance professionals that are experienced in providing tactical, customised and comprehensive career development and personal branding advice and guidance to mid-senior level professionals in areas including career acceleration, career change and career crisis.

The highly practical Career Bridge module is embedded into each of the programme schedules and is delivered across all semesters (online or on campus as appropriate) so as to maximise opportunities for students to engage with career planning and development activities throughout their course of study. The module develops in students the ability to self-manage their careers, identify and address competency gaps, identify and apply for career opportunities, develop an online brand, network effectively and promote themselves effectively.

Some of the services the Career Development and Employability office provide include:

- Individualised career counselling and coaching
- Individualised career planning, advancement and transition strategies.
- CV review
- Interview preparation
- Online career resources available 24/7
- Access to the NCI Jobs board

The Career Planning module embedded in all government funded courses includes sessions on:

- Career assessment and planning
- Career acceleration and career transition
- Career networking strategies
- Personal branding
- Creation of high impact applications
- Panel and speaker presentations covering various topics relevant to today's marketplace and student interests
- We also arrange industry specific employability events such as whiteboard Interview practicums.

Having accepted a place on their programme of choice students are expected to engage fully with the Career Bridge module and work placement requirements and are required to meet all relevant Career Bridge deadlines. Students are expected to attend relevant career events and careers fairs both on and off campus at times that may be outside their timetable.

Work Placement

Each work placement advisor works proactively with Industry partners and collaboratively with students who are unemployed or in unrelated work to identify suitable work placement opportunities and will endeavour to secure a work placement for each eligible student.

Active engagement with your work placement advisor and with the Career Bridge module from the start of the programme is required. The work placement is for a minimum of 3 months with most companies requiring students for a 6 month period on average.

Testimonials

Through their excellent classes and friendly and personable engagement and behind the scenes research, help and effort, personal advice and encouragement I managed to secure the internship of my dreams with a Big 4 firm.

Darragh Wilson, Higher Diploma in Science in Data Analytics

The careers support has been incredible, the tips on CV's, interviews and building a LinkedIn profile and general employability support we received has helped me enormously. I could never praise enough the encouragement that the work placement advisor's support has given me."

Jianling Kyle, Postgraduate Diploma in Data Analytics

"If you are thinking should I do a Springboard course then I say go ahead. It's the best decision I ever made."

Josef Zacek - Higher Diploma in Web Technologies

"I couldn't recommend it highly enough. This was a course that was so relevant to my career and I have to say the support mechanisms were absolutely phenomenal."

Jenny Cotter - Certificate in Digital Marketing

"The Career Bridge module was fantastic for my CV and developing my LinkedIn profile. This would have been something I found a bit daunting. They didn't hold your hand but they really supported you. Coming to NCI was the best thing I've ever done."

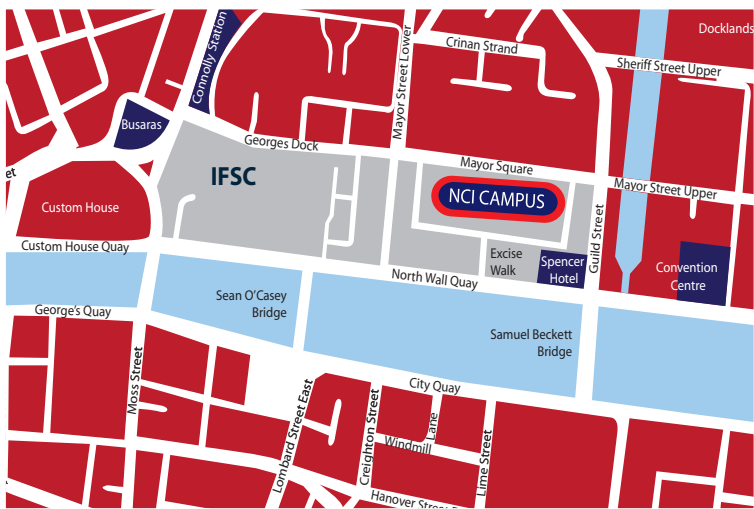
Emer Thornbury - Certificate in Web Development

My dream career started at NCI. My lecturers were very knowledgeable and helpful. I have learnt programming languages such as web design, JAVA, Cloud Application development and the fundamentals in computer architecture, from the very basics. The staff, in the career services, are 100% approachable and dedicated. I entered NCI feeling completely lost and left with a full-time job.

Mahbub Moufty - Higher Diploma in Science in Computing Cloud Computing

"I found the college facilities and the lecturers, and the support teams to be very professional. Every effort is made to make your journey as a student as trouble free as possible. I have been very lucky to witness this for myself. "

Rodney Wardle - Higher Diploma in Web Technologies



Information Evenings

Wednesday 13th July 2016
5-7pm

Wednesday 3rd August 2016
5-7pm

Wednesday 24th August 2016
5-7pm

Saturday 27th August 2016
11am -2pm

Thursday 8th September 2016
5-7pm

National College of Ireland
Mayor St. IFSC
Dublin 1

Tel: 1850 221 721
Web: www.ncirl.ie
Email: springboard@ncirl.ie



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