

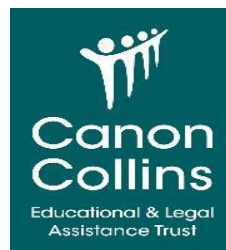


**Directory of Postgraduate Courses suitable for  
Fellowship Awards 2019  
(for 2019-2020 Entry)**

Application via the website of the Canon Collins Education and Legal Assistance Trust  
([www.canoncollins.org.uk](http://www.canoncollins.org.uk))



Ambasáid na hÉireann  
Embassy of Ireland



## Important Information for Kader Asmal Fellowship Programme Applicants

### Application Process

The Kader Asmal Fellowship Programme invites applications for scholarships for postgraduate study in Ireland commencing in September 2019. This directory provides a full list of available courses<sup>1</sup>.

The Kader Asmal Fellowship Programme opens for applications on **Monday 15 October 2018** and the closing date for applications is **Monday 31st December** at **17:00** South African time. Applications can only be accepted online via the website of the Canon Collins Trust ([www.canoncollins.org.uk](http://www.canoncollins.org.uk)).

On your application form, you are required to identify the *specific* postgraduate course(s) in order of preference you are interested in undertaking, based on the information in this directory and the latest details provided by the relevant institution. You should not rely solely on the information in this document. Whilst every care has been taken in compiling this listing, full course details for 2019-2020 were not fully available at the time of printing. In addition, some course information and web addresses will inevitably change during each academic year. Before preparing or submitting an application, you are advised to check all details with the online information provided by the college. You should particularly ensure that you meet all eligibility requirements for the selected course(s). Please choose your courses carefully. You will not normally be permitted to revise your choices after submission, unless a programme does not run. Applicants are therefore advised to thoroughly research their course choices. The relevance of the course to an applicant's career development and to the overall strategic priorities of the mission will form part of the assessment criteria.

A provisional list of awards will be drawn up in June 2019. Only candidates who gain a course place and provide documentation confirming this will be eligible for a fellowship. **However no candidate is guaranteed an award even if all fellowship criteria are met.**

### Course Applications

Information on making a course application will be provided to candidates shortlisted by the Irish Aid Selection Panel in April 2019. **Fellowship applicants are advised not to apply for any courses in Ireland without confirmation of shortlisting.** Please note that application fees will be paid by Irish Aid for *shortlisted candidates only*. Reimbursements will **not** be made where a shortlisted candidate applies for an Irish course before being formally approved by Irish Aid to do so. Do not submit a course application to the Embassy of Ireland (Irish Aid), the Canon Collins Educational & Legal Assistance Trust or ICOS.

Note that some courses will have *earlier* submission deadlines that you must meet. You should confirm the deadline on the institution's website. Incomplete course applications will take longer to process and may result in you missing the course application deadline. Most colleges in Ireland only accept online applications. When applying, be sure to select the correct course code and ensure that it matches a **full-time** programme. Masters by research are not eligible for the programme.

### English Language Proficiency

To fulfil Kader Asmal Fellowship requirements, **all candidates for study in Ireland** will be required to hold an IELTS certificate - [www.ielts.org](http://www.ielts.org) - with a minimum overall score of 6.5. The Embassy will cover the cost of an IELTS exam for shortlisted applicants who do not hold a certificate or have not undertaken such a test in the preceding two years.

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<sup>1</sup> Where a candidate makes a strong case for pursuing a course of study, not on the list, but in a related area, this request will be considered.

Please note that **some courses in Ireland may specify a higher IELTS requirement** than above for admission. Where possible, this is indicated in the listings. **Courses marked with an asterisk (\*) are courses which are known by Irish Aid to have more stringent IELTS requirements than an overall score of 6.5.** Some will have minimum score requirements for each individual band; some will require a minimum 7.0 overall score or higher. Applicants are asked to please check the course webpage for more information. IELTS requirements for other courses may also change after the publication of this directory, so applicants are also asked to check the course webpage or contact the college directly to confirm the IELTS requirements for any course(s) they are considering applying to. **It is the applicant's responsibility to research the required academic and IELTS qualification for their chosen course, to ensure that they have the necessary standard.**

## NOTES ON COURSE LISTINGS

### IRELAND LISTINGS

The courses included in this directory have been deemed relevant for applicants to the Kader Asmal Fellowship Training Programme.

### ABBREVIATED WEB ADDRESSES

Throughout the listings, many long web addresses for course information have been shortened, for example: [www.bit.ly/qEdRCn](http://www.bit.ly/qEdRCn). This format allows for easier transcription, if required. Any capitalisation should be noted accurately as these shortened addresses are case-sensitive.

### Irish Council for International Students (ICOS)

The Irish Council for International Students (ICOS), based in Dublin, is an independent non-profit network of educational institutions, NGOs and individuals interested in international education and working with government and other agencies to promote good policies and best practice in relation to the recruitment, access and support of international students in Irish education. ICOS manages administrative aspects of the Fellowship Training Programme on behalf of Irish Aid.

**KEY TO IRISH UNIVERSITIES, INSTITUTES OF TECHNOLOGY AND COLLEGES WITH LISTED COURSES**

<b>AIT</b>	<b>Athlone Institute of Technology</b>	<b>Athlone</b>	<b><a href="http://www.ait.ie">www.ait.ie</a></b>
<b>CIT</b>	<b>Cork Institute of Technology</b>	<b>Cork</b>	<b><a href="http://www.cit.ie">www.cit.ie</a></b>
<b>DBS</b>	<b>Dublin Business School</b>	<b>Dublin</b>	<b><a href="http://www.dbs.ie">www.dbs.ie</a></b>
<b>DCU</b>	<b>Dublin City University</b>	<b>Dublin</b>	<b><a href="http://www.dcu.ie">www.dcu.ie</a></b>
<b>DIT</b>	<b>Dublin Institute of Technology</b>	<b>Dublin</b>	<b><a href="http://www.dit.ie">www.dit.ie</a></b>
<b>GCD</b>	<b>Griffith College Dublin</b>	<b>Dublin</b>	<b><a href="http://www.gcd.ie">www.gcd.ie</a></b>
<b>ITB</b>	<b>Institute of Technology, Blanchardstown</b>	<b>Dublin</b>	<b><a href="http://www.itb.ie">www.itb.ie</a></b>
<b>ITC</b>	<b>Institute of Technology, Carlow</b>	<b>Carlow</b>	<b><a href="http://www.itcarlow.ie">www.itcarlow.ie</a></b>
<b>MU</b>	<b>Maynooth University</b>	<b>near Dublin</b>	<b><a href="http://www.maynoothuniversity.ie">www.maynoothuniversity.ie</a></b>
<b>NCI</b>	<b>National College of Ireland</b>	<b>Dublin</b>	<b><a href="http://www.ncirl.ie">www.ncirl.ie</a></b>
<b>NUIG</b>	<b>National University of Ireland, Galway</b>	<b>Galway</b>	<b><a href="http://www.nuigalway.ie">www.nuigalway.ie</a></b>
<b>TCD</b>	<b>Trinity College Dublin</b>	<b>Dublin</b>	<b><a href="http://www.tcd.ie">www.tcd.ie</a></b>
<b>UCC</b>	<b>University College Cork</b>	<b>Cork</b>	<b><a href="http://www.ucc.ie">www.ucc.ie</a></b>
<b>UCD</b>	<b>University College Dublin</b>	<b>Dublin</b>	<b><a href="http://www.ucd.ie">www.ucd.ie</a></b>
<b>UCDMS</b>	<b>UCD Michael Smurfit Business School</b>	<b>Dublin</b>	<b><a href="http://www.smurfitschool.ie">www.smurfitschool.ie</a></b>
<b>UL</b>	<b>University of Limerick</b>	<b>Limerick</b>	<b><a href="http://www.ul.ie">www.ul.ie</a></b>
<b>WIT</b>	<b>Waterford Institute of Technology</b>	<b>Waterford</b>	<b><a href="http://www.wit.ie">www.wit.ie</a></b>

(See overleaf for map)

# Map of Ireland

The cities and towns with universities, Institutes of Technology and colleges that are included in this directory are **highlighted** below (for a listing of the institutions, please see p iii)



## TABLE OF CONTENTS

Courses marked with an asterisk (\*) are courses which are known by Irish Aid to have more stringent IELTS requirements than an overall score of 6.5. Some will have minimum score requirements for each individual band; some will require a minimum 7.0 overall score or higher. Please check the course webpage for more information. IELTS requirements for other courses may also change after the publication of this directory, so please check the course webpage or contact the college directly to confirm the IELTS requirements for any course(s) you are considering.

Underlined courses are those which Irish Aid knows from experience are highly competitive and/or only accept very high-achieving applicants. Applicants are advised to ensure that they meet all course entry requirements.

### **A Agriculture, Environmental Science, Conservation, Rural Development and related**

A6	<u>MSc in Climate Change, Agriculture and Food Security*</u>	NUIG
A11	MSc in Co-operatives, Agri-Food and Sustainable Development*	UCC
A12	MSc (Agr) in Sustainable Agriculture and Rural Development*	UCD
A13	MSc (Agr) in Environmental Resource Management*	UCD
A16	MSc in Sustainable Energy and Green Technologies*	UCD

### **B Food Science, Food Engineering and related**

B1	MSc in Food Science*	UCC
B2	MSc in Food Microbiology*	UCC

### **D Health, Medicine, Health Economics and related**

D5	MSc in Health Economics*	NUIG
D6	MSc in Global Health	TCD
D9	Master of Public Health (MPH)*	UCC
D10	Master of Public Health (MPH)*	UCD

### **E Development Studies, Peace Studies, Conflict Resolution, Humanitarian Action and related**

E1	MSc in International Security and Conflict Studies*	DCU
E2	MSc in Sustainable Development	DIT
E3	MSc in Local Development and Innovation	DIT
E5	MA in International Peace Building, Security and Development Practice	MU
E6	MA in Environment, Society and Development*	NUIG
E7	MPhil in International Peace Studies	TCD
E10	MSc in Humanitarian Action*	UCD
E11	MA in Peace and Development Studies*	UL

### **G Social Policy, Social Research, Community Development, Sociology and related**

G1	MA in Child and Youth Studies	AIT
G3	MA Child, Youth and Family Studies	ITC
G6	MSc in Disability Studies	TCD

**H Women's Studies, Gender Studies, Equality Studies**

H1	MA in Gender, Globalisation and Rights*	NUIG
H2	MA in Women's Studies*	UCC
H3	MA in Gender Studies*	UCD

**I Law, Human Rights and related**

I5	LLM in Peace Operations, Humanitarian Law and Conflict*	NUIG
I6	LLM in International Human Rights*	NUIG
I7	LLM in International and Comparative Disability Law*	NUIG

**K Engineering, Hydrology, Sustainable Technology**

K9	MSc in Water Resources Engineering*	NUIG
K13	MSc in Sustainable Energy	TCD
K15	MEngSc in Sustainable Energy*	UCC
K19	MEngSc in Water Waste and Environmental Engineering*	UCD
K20	MSc in Sustainable Resource Management: Policy and Practice*	UL
K22	MSc in Sustainable Energy Engineering	WIT

**L Economics, Finance and Accounting**

L6	MSc in Economics and Financial Risk Analysis*	MU
L10	MSc in Financial Risk Management*	TCD
L11	MSc in Financial (Banking and Risk Management)*	UCC
L14	MSc in Aviation Finance*	UCDMS
L15	MSc in Renewable Energy & Environmental Finance*	UCDMS
L18	Masters in Business Studies (MBS) – Economics and Finance*	WIT

**M Management and Business**

M2	MA in Human Resource Management	CIT
M4	MSc in Management Practice	DBS
M5	MSc in Human Resource Management*	DCU
M8	MSc in Supply Chain Management	DIT
M9	MSc in Supply Chain Management	ITC
M10	MSc in Information Technology Management	ITC
M11	Master of Business in Marketing & Management Strategy	LIT
M12	MSc in Strategy and Innovation*	MU
M15	MSc in Human Resource Management*	NUIG
M19	MSc in Food Business Strategy*	UCDMS
M22	<u>MSc in Strategic Management &amp; Planning*</u>	UCDMS
M23	<u>MSc in Project Management*</u>	UL
M24	MA in Business Management*	UL

**N Information Systems and Communications Technology**

N1	MSc in Data Analytics	AIT
N2	MSc in Software Engineering*	AIT
N3	MSc in Information Security	CIT
N4	MSc in Artificial Intelligence	CIT
N5	MSc in Information Systems with Computing	DBS
N6	MSc in Computing (Data Analytics)	DCU
N7	MSc in Computing (Cloud Computing)	DCU
N8	MSc in Computing (Software Engineering)	DCU
N9	MSc in Computing (Security and Forensic Computing)	DCU
N10	MSc in Computing (Advanced Software Development)*	DIT
N11	MSc in Electronic and Communications Engineering	DIT
N12	MSc in Computing	GCD
N13	MSc in Network and Information Security	GCD
N14	MSc in Computing (Applied Cyber Security) – Pathway 1 only	ITB
N15	MEng in Internet of Things Technologies – Pathway 1 only	ITB
N17	MEng in Digital Health and Medical Technologies	MU/DCU
N18	MSc in Cyber Security	NCI
N19	MSc in Cloud Computing	NCI
N20	MSc in Information Systems Management*	NUIG
N21	MSc in Computer Science (Future Networked Systems)	TCD
N22	MSc in Computer Science (Intelligent Systems)	TCD
N23	MSc in Information Systems for Business Performance*	UCC
N24	MSc in Computer Science (Interactive Media)*	UCC
N25	MSc in Computing Science*	UCC
N26	MSc in Health Informatics*	UL

**O Tourism**

O1	MSc in Tourism Management	DIT
O2	MSc in Hospitality Management	DIT
O3	MA in International Tourism*	UL



**A**

**Agriculture,  
Environmental Science,  
Conservation,  
Rural Development  
and related studies**

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** This programme is aimed at students who want to combine scientific, engineering, technical, social or policy skills so that they are better equipped to understand and make significant contributions regarding the adaptation and mitigation of climate change impacts on global agriculture and food security. Students are provided with the skills and tools for developing agricultural practices, policies and measures to address the challenge that global warming poses for agriculture and food security worldwide.

**Indicative Content:** Climate Change, Agriculture & Global Food Security; Climate Change, Agriculture, Nutrition & Global Health; Policy & Scenarios for Climate Change Adaptation & Mitigation; Gender, Agriculture & Climate Change; Low-Emissions Climate-Smart Agriculture & AgriFood Systems; Climate Change Adaptation, Mitigation & Risk Management; Monitoring Climate Change: Past, Present, Future; Climate Change, Natural Resources & Livelihoods; AgriBiological Responses to Climate Change; CCAFS Science Communication: Techniques & Models; CCAFS Case Studies, Journal Club & Datasets; CCAFS Research Skills/Techniques; CCAFS Research Project.

**Admissions Requirements:** Minimum 2:1 honours degree or equivalent in an appropriate discipline.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [www.nuigalway.ie/ccafs](http://www.nuigalway.ie/ccafs)

**Application:**

**PAC Code: GYS00**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This is a unique course, with a very strong practical emphasis and will equip participants with the organisational and management skills needed to make innovative contributions to the development of local economies, with particular emphasis on co-operatives, social enterprises and food businesses in Ireland and overseas. It is aimed at graduates from a wide range of disciplines who wish to pursue careers in sustainable development and innovative practice leading to positions in the food sector (ranging from local food enterprises to large multi-nationals), local and international rural development, shared and collaborative economy, NGOs, innovative community businesses including co-operatives and social enterprises, local and regional enterprise development, corporate social responsibility, policy formulation and analysis.

**Indicative Content:** Contemporary Socio-Economic and Environmental Issues; Co-operative and Collaborative Responses; Sustainable Rural Development; Economics of Agri-Food Markets; Global Food Policy Issues; Marketing for Sustainable Food Production and Consumption; Food Branding and Digital Media; Project Management; Sustainable Food Systems; Food Supply Chain and Value Analysis; Research Methods; Professional Development; Practice-Based Research Project.

**Admission Requirements:** A minimum 2:2 degree or equivalent, in a wide range of disciplines.

IELTS: Minimum 6.5 overall score required with no individual section lower than 5.5.

Course Webpage: <https://www.ucc.ie/en/ckl03/>

**Application:**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

**PAC Code: CKL03**

**A12 MSc (Agr) in Sustainable Agriculture and Rural Development\* UCD**

**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** This course represents a return to core values in the development of rural areas which are rooted in agricultural change as well as responding to new societal demands such as safe and ethically produced food, a healthier environment and sustainable and affordable energy. The programme will equip graduates with capabilities in core analytical, conceptual, communications and research skills as well as providing the knowledge base required to develop careers in the broad arena of sustainable agriculture and rural development.

**Indicative Content:** Core - Sustainable Agriculture; Strategic Communications; Policies and Strategies for Sustainable Agriculture and Rural Development; Research Methods; Theory & Practice of Rural Enterprises; Minor Thesis. Options - World Heritage and Sustainable Development; Global Biodiversity and Heritage; Economics and Sociology in Rural Development; Planning for Development; Agricultural Extension and Innovation.

**Admission Requirements:** A minimum 2:2 Honours university degree.

IELTS: Minimum 6.5 overall score required with no individual section lower than 6.0.

Course Webpages: [shortened as] <http://bit.ly/2thpPm8>

**Application:** Apply online from course webpage.

**A13 MSc (Agr) in Environmental Resource Management\* UCD**

**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** The MSc in Environmental Resource Management is an established programme that develops graduates with the flexible combination of environmental science, policy and management expertise necessary to address these needs. The programme is accessible to candidates from a very broad range of primary degree backgrounds. Graduates from this programme respond to many of the major global sustainability challenges.

**Indicative Content:** Core – Data Analysis for Biologists; Research Project (AESC); Human Impact on the Environment; Seminar Presentation; Soil, Plant & Water Resources; Geographic Information Systems; Biodiversity and Ecosystem Services; Literature Review (AESC); Practice Research Skills; Ecological Modelling. Options – Wildlife Conservation; One Health; Rural Planning & Environmental Law.

**Admission Requirements:** Applicants must hold minimum Lower Second Class Honours Degree in Biological Science, Environmental Science, Agricultural Science, Geography, Earth Sciences, Natural Sciences or cognate degree programme from a recognised higher education institution. Cognate degree programmes would include humanities, arts, business, law and engineering.

**IELTS:** Minimum 6.5 overall score required with no individual section lower than 6.0.

**Course Webpage:** [shortened as] [www.bit.ly/2c3C2mu](http://www.bit.ly/2c3C2mu)

**Application:** Apply online from course webpage.

## **A16 MSc in Sustainable Energy and Green Technologies\***

**UCD**

**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** This course focuses on development and optimisation of renewable energy resource exploitation; efficiency in energy generation and utilisation pathway; mitigation of environmental impacts, and; preparation for business innovation and job creations opportunities in renewable energy systems technologies development, plant biotechnology and entrepreneurship.

**Indicative Content:** Entrepreneurship & Plant Biotechnology; The Bioeconomy; Life Cycle Assessment; Thesis; Advanced Air Pollution; Waste to Energy Processes & Technologies; Energy Systems Integration; LCA Applications; Research and Teaching Methods; Energy Systems & Sustainable Environments.

**Admission Requirements:** A good honours degree (2.2 or higher) in engineering, physical science or environmental related degree. Other disciplines may be considered if they include strong mathematical, technological, and analytical skills.

**IELTS:** Minimum 6.5 overall score required with no individual section lower than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2ffOs7n>

**Application:** Apply online from course webpage.

# **B**

**Food Science,  
Food Engineering,  
Bioresource Technology,  
and related studies**

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This course offers advanced modules in established and emerging areas of Food Science plus modules in research methods. Novel methods of teaching with emphases on project work and innovative forms of learning are used.

**Indicative Content:** Core - Scientific Training for Enhanced Postgraduate Studies; Library Project in Food Science; Dissertation in Food Science. Options – Food Business: Markets and Policy; Material Science for Food Systems; Advanced Topics in Dairy Biochemistry; Advances in the Science of Muscle Foods; Advances in Food Formulation: Science and Technology; Novel Processing Technologies and Ingredients; Cheese and Fermented Dairy Products; Meat Science and Technology; Hygienic Production of Food; Human Nutrition and Health; Sensory Analysis in Nutrition Research; Chemistry of Food Proteins; Macromolecules and Rheology; Advanced Analytical Methods; Cereals and Related Beverages; Food Product Development and Innovation; Microbial Food Safety.

**Admission Requirements:** Candidates must be holders of an honours BSc degree, or equivalent qualification, in a discipline with a significant element of laboratory science, with a minimum of Second Class Honours Grade 1 or equivalent.

**IELTS:** Minimum 6.5 overall score required with no individual section lower than 6.0.

**Course Webpage:** <https://www.ucc.ie/en/ckr22/>

**Application:**

**PAC Code: CKR22**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This course covers the breadth of classical and modern food microbiology, including food safety and spoilage; food fermentation; food biotechnology; hygienic production of food; the impact of diet on health; the molecular mechanisms of infectious microbes and the role of the gut microbiota in human health. The aim of this course is to educate you to an MSc level in food microbiology, emphasising areas in which UCC engages actively in research, e.g. food biotechnology, food fermentations, food safety, food for health.

**Indicative Content:** Core: Scientific Training for Enhanced Postgraduate Studies; Biotechniques; Library Project in Food Microbiology; Research Dissertation. Options: Food Fermentation and Mycology; Microbial Food Safety; Food Biotechnology; Hygienic production of Food; Functional Foods for Health; Food Markets and Policy

**Admission Requirements:** Candidates must be holders of an honours BSc degree, or equivalent qualification, in a discipline with a significant element of laboratory science, with a minimum of second class honours Grade 2 or equivalent.

**IELTS:** Minimum 6.5 overall score required with no individual section lower than 6.0.

**Course Webpage:** <https://www.ucc.ie/en/ckr19/>

**Application:**

**PAC Code: CKR19**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

# D

**Health, Medicine,  
Health Economics  
and related**



**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** The MSc (Health Economics) introduces the student to the principles underlying the economic analysis of health care decision-making within an evolving context of technological development, population ageing and changing patient expectations. The programme is designed for people interested in pursuing a career in the government, the health service, the pharmaceutical and medical device industries, or in research and consultancy agencies. The programme examines the challenges of scarcity for health care provision, analyses alternative systems of finance and delivery and provides an introduction to the techniques of evaluation used in health care.

**Indicative Content:** Economics of Health and Social Care; Economic Evaluation in Healthcare; Health Systems and Policy Analysis; Econometrics; Applied Health Technology Assessment; Market Access; Systematic Reviews; Econometrics; Statistics; Internship.

**Admission Requirements:** A primary degree at minimum 2:1 which included the study of economics to intermediate level or a higher diploma in economics with 2:1 or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] [www.bit.ly/1KIPIrt](http://www.bit.ly/1KIPIrt)

**Application:**

**PAC Code: GYC26**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** Trinity College Dublin

**Course Duration:** 1 year

**Course Outline:** The M.Sc. Global Health aims to prepare graduates to contribute on a broader scale to the design, implementation, and management of health programmes, health systems development and health policy. The course augments traditional approaches to public and international health by bringing together perspectives and insights from a range of health and social sciences in understanding and resolving the challenges of global health. The programme aims to provide graduates with a greater appreciation of the global interconnectedness of health problems and the range and depth of research methodology that can be used to work through these challenges.

**Indicative Content:** Core: Determinants of Health; Health Economics and Financing; Health Policy and Systems; Principles of Social Research; Introduction to Statistics and Data Analysis; Epidemiology; Project Planning and Management; Professional Development; Global Health Research Project. Options: Environmental Health and Climate Change; Reproductive, Maternal and Child Health; Human Resources and Health; Human Rights and Inclusive Global Health; Nutrition and Global Health; Media and Advocacy; Systematic Reviews; Culture, Health and Illness; Health Informatics and ICT.

**Admission Requirements:** At least a 2:1 honours degree from an Irish university or equivalent result from a university in another country. Applicants must have a demonstrated interest and/or experience in global health

or health issues in developing countries. As global health is a multidisciplinary field, applicants can be graduates of any academic discipline.

**Course Webpage:** <https://global-health.tcd.ie/msc/index.php>

**Application:** Apply online via the course webpage.

<b>D9</b>	<b>Master of Public Health (MPH)*</b>	<b>UCC</b>
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**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** The aim of this programme is to provide students, from a range of different professional backgrounds, academic and experiential development in the theory and practice of Public Health. The MPH is a multi-disciplinary course where you can specialise in health promotion, health protection or advanced epidemiology.

**Indicative Content:** Core - Principles and Practice of Public Health; Applied Research for Public Health; Public Health Informatics; Leadership in Public Health; Dissertation. Options – Health Promotion: Concepts, Principles and Practice; Practice Portfolio–Health Promotion; Public Health and Behavioural Change; Graduate Information Literacy Skills; Global and Environmental Health; Critical Social Science Perspectives on Public Health; The Principles and Practices of Multi-Disciplinary Health Protection; Microbiology for Health and Protection; Global Environmental Health; Advanced Epidemiology; Advanced Biostatistics; Survival Analysis; Systematic Review and Meta-Analysis; Minor Dissertation in Public Health and Epidemiology; Minor Dissertation in Epidemiology.

**Admission Requirements:** Normally at least a 2:2 Honours degree in a relevant subject or at least a 2:2 Honours degree in any discipline with a postgraduate qualification in a relevant field or evidence of at least two years' relevant work experience.

**IELTS:** Minimum 7.0 overall score required with no section less than 6.5.

**Course Webpage:** [www.ucc.ie/en/ckx11](http://www.ucc.ie/en/ckx11)

**Application:**

**PAC Code: CKX11**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

<b>D10</b>	<b>Master of Public Health (MPH)*</b>	<b>UCD</b>
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**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** The Master of Public Health provides broad-based education and training in the basic disciplines which underlie the practice of Public Health including disease epidemiology, research methods and statistics, health promotion, environmental health, health economics, international health, sociology and health policy. Students will acquire (i) knowledge of the factors influencing health status; (ii) an understanding of the organisation and financing of Health Services and their impact on population health; (iii) the epidemiological skills of study design and analysis; and (iv) the ability to work as an active team member in planning, implementing, monitoring and evaluating health policy.

**Indicative Content:** Core – Introduction to Environmental Science and Health; Fundamentals of Epidemiology; Public Health Practice; Biostatistics I; Infectious Disease Epidemiology; Health Promotion; Chronic Disease Epidemiology; Applied Research Methods & Data Management; MPH Dissertation; Sociology & Social Epidemiology; Principles of Management, Health Economics & Health Policy. Options – Food Diet and Health; Nutritional Epidemiology; One Health; International Health I; Risk Perception, Communication and Behaviour Changes; Biostatistics II; Research Methods in Genetic Epidemiology; International Health II; Graduate Teaching Assistant.

**Admission Requirements:** This programme is intended for Graduates of Health Science degree programmes (Medicine, Dentistry, Public Health, Pharmacy, Physiotherapy, Occupational Therapy, Nutrition, Nursing, or other), Science degree programmes (Biology, Biochemistry, Food Science, Physiology, Pharmacology, or other) or Social Science degree programmes (Psychology, Sociology, Economics, or other) preferably with a 2.1 Award or higher. Awards of 2:2 or less may be considered with additional suitability credentials. Applicants will be required to provide evidence of the highest level of mathematics achieved in prior education.

**IELTS:** Minimum 7.0 overall score required with no section less than 6.5.

**Course Webpage:** [shortened as] [www.bit.ly/2czIOMx](http://www.bit.ly/2czIOMx)

**Application:** Apply online from course webpage.

# **E**

**Development Studies,  
Peace Studies,  
Conflict Resolution,  
Humanitarian Action  
and related**

**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The MA in International Security and Conflict Studies explores the causes of conflict, the roles played by powerful states and the broader international community in conflict and security, the changing role of peacekeeping, terrorism and radicalisation, and conflict resolution processes.

**Indicative Content:** Core – International Law and Conflict; Resolving and Managing Conflict; International Security; Research Methodology; Dissertation. Options – Environmental Change and World Politics; Criminology; Professional Development; European and International Human Rights Law; Russia & The Former Soviet Space; Irish Foreign Policy; Conflict, Security & Peacebuilding; Political Terrorism; Politics & Development in Africa; Politics of the UN; Politics of the Middle East and North Africa; India: The Politics of an Emerging Power.

**Admission Requirements:** An undergraduate degree in any discipline with a minimum 2:2 or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2BdP3qv>

**Application:**

**PAC Code: DC629**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 Year

**Course Outline:** The programme aims to provide graduates with the skills and ability to interpret principles of sustainable development and translate these into policy responses. The MSc Sustainable Development is structured to build on and deepen your knowledge and allow you apply the principles and practices of sustainable development in your own field of expertise or employment. The course also offers you the chance to deepen your knowledge in chosen areas of energy, environment, community development or planning.

**Indicative Content:** Core – Climate Change and Policy Analysis; Society and Sustainable Development; Economy and Sustainable Development; Spatial Planning and Sustainable Communities; Environmental Law and Institutions; Sustainable Development & Public Policy in a European Context; Research Techniques; Dissertation; Progress and Placement. Options – Environmental Management Plans; Environmental Design & Management; EU Policy; Law and Local Development; Local Governance, Development & Innovation; Management Studies; Place-Making; Renewable Energy Technologies; Spatial Data Assessment/GIS; Sustainable Construction; Sustainable Tour-Policy & Practice; Urban Regeneration & Public Policy.

**Admission Requirements:** Honours Bachelor Degree in any relevant discipline at 2.2 grade or higher, or equivalent. Eligible candidates may be interviewed where work/career experience is being considered in lieu of academic qualifications.

**Course Webpage:** [shortened as] <https://bit.ly/2dK9e4a>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

### **E3 MSc in Local Development and Innovation**

**DIT**

**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The programme is designed to balance theory and practice and provide students with an understanding of how local communities operate and the skills to play a critical role in developing innovative programmes to facilitate social and economic development at a local level. It aims to give students a multi-disciplinary research-based knowledge of key processes and issues at local and regional level arising from social, economic and political change in the global economy and to understand institutional and policy responses to such change.

**Indicative Content:** Core – Communities, Development and Change; Cities, Regions and Development; Economics of Public Policy; Place-making and Community Planning; Society and Sustainable Development; Local Governance, Development and Innovation; Spatial Planning and Sustainable Communities; Research Techniques; Sustainability and Public Policy in a European Context; Dissertation; Work Placement. Options – Project Appraisal and Management; EU Policy; Law and Local Development; Entrepreneurship and Enterprise Development; Management Studies; Urban Regeneration and Public Policy; Housing; Transport, Mobility and Healthy Neighbourhoods.

**Admission Requirements:** Honours bachelor degree in any relevant discipline at 2.2 grade or higher, or equivalent. Eligible candidates may be interviewed where work/career experience is being considered in lieu of academic qualifications.

**Course Webpage:** [shortened as] <http://bit.ly/2uIII4e>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

### **E5 MA in International Peace Building, Security and Development Practice**

**MU**

**Study Location:** Maynooth University

**Course Duration:** 1 year

**Course Outline:** This programme empowers actors and practitioners from development, security and other peace and security related institutional backgrounds involved in international peace-building with the knowledge, skills and competencies that will enable them to provide leadership to reduce and ultimately eliminate violent conflict.

**Indicative Content:** Core – Mediation Knowledge and Practice; Resolving Protracted Conflict: Applied Concepts & Peace Process Theories; Globalisation and Movements for Change; Conflict, Development and Security. Options – Impacts, Adaptation and Mitigation; Mediation Theory & Conflict Analysis; Post Conflict Studies: Challenges of Implementing Peace Agreements; Negotiation Theory and Skills; Conflict Intervention, Stabilisation and the Comprehensive Approach; Peace, Religion and Diplomacy; Political Economy of Development; Gender and Development; Managing Development Organisations; Adult Learning for Development; Sustainable Livelihoods and Climate Change Adaptation.

**Admission Requirements:** Honours Degree (minimum 2nd class honour) in a cognate discipline, such as international relations, development studies, sociology, politics, etc.

**Course Webpage:** [shortened as] <https://bit.ly/2BJuN0m>

**Application:**

**PAC Code: MH54M**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**E6 MA in Environment, Society and Development\* NUIG**

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** The programme engages students on global concerns that encompass a complex and dynamic mesh of environmental, social and economic processes. It centrally involves a critique of interventionism and the various practices of development and security that define our contemporary world, and practically how that critique can enable more informed and potentially more transformative interventionary practices.

**Indicative Content:** Core – Conceptualising Environment, Society & Development; Geography and Geo-Graphing; Geopolitics & Security; Environment & Risk; Managing Development; Field Based Learning; Dissertation. Options – Geographic Studies Abroad; Geographic Research and Dissertation Abroad.

**Admission Requirements:** Second Class Honours degree with a 2:1 in Geography or related discipline and a 2:2 overall, or equivalent. Prior learning in terms of relevant work experience is also recognised.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] [www.bit.ly/cG6CnV](http://www.bit.ly/cG6CnV)

**Application:**

**PAC CODE: GYA87**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**E7 MPhil in International Peace Studies TCD**

**Study Location:** Trinity College Dublin

**Course Duration:** 1 year

**Course Overview:** International Peace Studies examines the sources of war and armed conflict and suggests methods of preventing and resolving them through processes of peacemaking and peacebuilding. The course combines perspectives from international relations, ethics and conflict resolution to reflect critically upon the wide range of social, political and economic issues associated with peace and political violence. A week-long Mediation Summer School provides an opportunity to develop practical skills in the area of conflict resolution and mediation. There is also the option to participate in various field trips in Ireland and abroad.

**Indicative Content:** Core - The Politics of Peace and Conflict, Research Methods. Options – International Politics; Ethics in International Affairs; Conflict Resolution and Nonviolence; Armed Conflict, Peacebuilding and Development; The United Nations and Conflict Resolution; Human Rights in Theory and Practice; Gender, War

and Peace; Gender and Globalisation; Reconciliation in Northern Ireland; The Politics and Idea of Europe; Theories of Race and Ethnicity; Colonialism and Liberal Intervention; Religion, Conflict and Peace in International Relations; NGOs in Theory and Practice: Internship Module; Sharing Perspectives (online module).

**Admission Requirements:** Normally a Second Class Honours degree (or equivalent) or above. Students not meeting these criteria may be considered at the discretion of the Dean of Graduate Studies.

**Course Webpage:** [www.tcd.ie/ise/postgraduate/peace-studies.php](http://www.tcd.ie/ise/postgraduate/peace-studies.php)

**Application:** Apply online via course webpage.

<b>E10</b>	<b>MSc in Humanitarian Action*</b>	<b>UCD</b>
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**Study Location:** University College Dublin

**Course Duration:** 15 months

**Course Outline:** The programme aims to provide students with a broad foundation in the area of international humanitarian action, in which both critical thinking and research skills are emphasized. The programme is suitable for both recent graduates and experience practitioners working or intending to work in the field of humanitarian relief and international co-operation.

**Indicative Content:** Core – Geopolitics; Anthropology; International Law; Public Health; Management in Humanitarian Action; Dissertation. Options – International Politics; Ethics in International Affairs; Conflict Resolution and Nonviolence; Armed Conflict, Peace-building and Development; The United Nations and Conflict Resolution; Human Rights in Theory and Practice; Gender, War and Peace; Gender and Globalisation; Reconciliation in Northern Ireland; The Politics of the Idea of Ethnicity; Theories of Race and Ethnicity; Religion, Conflict and Peace in International Relations; NGOs in Theory and Practice (Internship Module).

**Admission Requirements:** A minimum 2:2 Honours degree in a cognate subject.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2LtvD0N>

**Application:** Apply online from course webpage.

<b>E11</b>	<b>MA in Peace and Development Studies*</b>	<b>UL</b>
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**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** Students investigate debates about the origins and nature of conflict and explore a range of approaches to conflict resolution. Contemporary cases of conflict and responses to these are examined, as are the connections between peacebuilding and development. Students further examine theories of economic and political development and explore contemporary strategies and practices of development.

**Indicative Content:** Core – Graduate Seminar in Development; Graduate Research Methods; Graduate Seminar in Peacebuilding; Dissertation. Options – Graduate Seminar in International Relations; Graduate Seminar in Institutions and Policies of the European Union; Graduate Seminar in Contemporary Political Theory; Multilevel



Governance: concepts and practice; Conflict Analysis; Graduate Seminar in Comparative Politics; Graduate Seminar in International Co-operation and Conflict; Graduate Seminar in European Governance; Global Transformation and Exclusion; External Relations of the European Union; Russian and Post-Soviet Politics; Foreign Aid and Development; International Security; Development Practice and Programme Management; Global Justice; Representative Democracy in Europe; Mainstreaming Social Inclusion; International Political Economy.

**Admission Requirements:** Normally a primary degree in a relevant discipline with a minimum 2:2 Honours or an approved equivalent qualification.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] [www.bit.ly/187ScT3](http://www.bit.ly/187ScT3)

**Application:** Apply through UL's online applications system using the link at the course webpage.

# **G**

**Social Policy,  
Social Research,  
Community Development,  
Sociology and related**

**Study Location:** Athlone Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The MA in Child and Youth Studies aims to equip highly competent and motivated child and youth workers and graduates of cognate disciplines with the knowledge and skills necessary to become leaders in the profession and to advance the field to internationally accepted standards of best practice. The programme has both a theoretical and practice-based focus.

**Indicative Content:** Models of Care; Child and Youth Law; Therapeutic Approaches and Interventions; Children's Rights; Management in Child and Youth Care; Research Methods; Research Dissertation

**Admission Requirements:** Minimum of a 2:2 Honours Bachelor degree in Applied Social Studies in Social Care or an approved equivalent qualification.

**Course Webpage:** <https://www.ait.ie/courses/master-of-arts-in-child-youth-studies>

**Application:** Application forms can be downloaded at: [www.ait.ie/international/non-eustudents](http://www.ait.ie/international/non-eustudents)  
For enquiries, contact Mary Simpson, AIT International Office - [international@ait.ie](mailto:international@ait.ie) or +353 - 90 – 6468 272.

**Study Location:** Institute of Technology, Carlow

**Course Duration:** 1 year

**Course Outline:** The programme aims to educate learners to high levels of contemporary and comparative theoretical awareness in fields central to services provision (transitions across the lifespan, cultural diversity, youth and families) and to create an atmosphere of rigorous academic enquiry and writing. Learners will develop a deep and integrated knowledge of contemporary child, youth and family theory and practice, and the sector within which child, youth and family services operate.

**Indicative Content:** Core – Contemporary Issues in Childhood & Youth Studies; Applied Psychology; Perspectives on Family & Society; Leadership, Strategy & Governance; Research Methods; Dissertation. Options - Youth Justice; Child & Family Rights; Addiction Studies; Adult & Community Education.

**Admission Requirements:** An undergraduate degree with a minimum 2:2 or equivalent in Early Childhood Education & Care, Applied Social Studies, Social & Community Studies or Youth & Community

**Course Webpage:** [shortened as] <https://bit.ly/2Ph37T2>

**Application:** Apply directly to the International Office by emailing [noneuapply@itcarlow.ie](mailto:noneuapply@itcarlow.ie) with an *IT Carlow Non-EU Application Form*, which is available for download at <https://bit.ly/2vSovWB>.

**Study Location:** Trinity College Dublin

**Course Duration:** 1 year

*Note: This course did not operate in 2017 and 2018 because of a lack of applications for the programme, and may not run in 2019 for the same reasons.*

**Course Outline:** The M.Sc. in Disability Studies provides students with a deep understanding of disability from social, historical, cultural, economic and policy perspectives. Graduates of the M.Sc. are equipped with the knowledge, analytical skills and perspectives to help translate rights into reality in the field of disability. The programme aims to prepare graduates for employment and career development in areas such as disability advocacy, quality assurance in disability services, programme planning and evaluation in the field of disability, disability research, and disability policy analysis.

**Indicative Content:** Core – Introduction to Disability Studies; Disability, Policy, Law and Ethics; Research Methods; Disability Placements/Disability Applied Projects. Options – Contemporary Issues; Disability and Development; The Politics of De-Institutionalism; Perspectives on Deafness.

**Admission Requirements:** Normally a 2:1 Honours degree in humanities, social sciences, sciences, rehabilitation, education, policy. Applicants with qualifications below this level or those holding professional qualifications will be required to submit a portfolio detailing their prior learning both in formal and experiential settings. This portfolio should be submitted as part of the online application process.

**Course Webpage:** <https://www.tcd.ie/swsp/postgraduate/disability/>

**Application:** Apply online via course webpage.

**H**

**Women's Studies,  
Gender Studies and  
Equality Studies**

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** Students acquire the theoretical, conceptual and practical tools needed to apply a gender perspective and undertake gender analyses in relevant domains of practice and employment at local, national and international levels, as well as for advanced research at doctoral level and beyond. Students also have the opportunity to undertake an accredited, two-month professional placement with a relevant organisation working on issues related to programme themes.

**Indicative Content:** Core – Human Rights, Women and Gender; Feminist and Gender Theorising; Gender Perspectives on Globalisation; Research Methods; Dissertation. Options – Gender and Conflict; Development and Human Rights; Women’s Agency and Power; *Clár* Collaboration; *Clár* Leadership Project; History and Narrative in Gender Research; Engaged Research Practice: Women in Agriculture; Women, Conflict and Human Security; Applied Gender Analyses; Gender, Sexuality and Global Health; Applied Gender Analysis: Policy and Practice.

**Admission Requirements:** Applicants must have attained second-class honours or better in a primary degree in a relevant discipline or equivalent international qualification (minimum GPA 3.00 out of 4.00). Publication/professional experience as deemed suitable by the College of Arts may be considered where the formal requirements are not completely satisfied.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] [www.bit.ly/c9SC9i](http://www.bit.ly/c9SC9i)

**Application:**

**PAC Code: GYA44**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** The course covers a range of themes including representations of women in history, literature and popular culture (music and film); gender and sexuality; women and politics; women, work and family, and gender violence. You will be provided with training in research skills and introduced to theoretical material that will enhance your personal research. During the taught months of the course, from late September to May, themes like those above are explored in lectures, seminars and on fieldtrips, and are addressed by guest speakers.

**Indicative Content:** Feminist Theory; Women in Society I (Contextualising Women in Society); Women in Society II (Interdisciplinary Perspectives); Research Skills in Women's Studies (Part 1: Feminist Methodologies); Research Skills in Women's Studies (Part 2); Dissertation.

**Admission Requirements:** Normally a minimum 2:2 Honours degree or equivalent. Relevant experience in community work, industry, or the professions may also be considered. All applicants are required to submit an essay of at least 1,000 words on a book, experience, or personal contact which stimulated their interest in women's studies.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** <https://www.ucc.ie/en/cke03/>

**Application:**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

**PAC Code: CKE03**

<b>H3</b>	<b>MA in Gender Studies*</b>	<b>UCD</b>
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**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** The MA in Gender Studies continues to deliver rigorous, critical, dynamic learning in feminisms, sexualities, masculinities, gender debates, politics and activism. Our global and intersectional feminist perspectives offer a complex understanding of how oppression and discrimination operate across society, politics and the economy.

**Indicative Content:** Core – Feminist & Egalitarian Research; Gender Theory: Critical Themes; Gender and Globalisation; Women’s Studies Minor Thesis; Gender, Inequality and Public Policy. Options – Human Rights Law and Equality; Masculinities, Gender and Equality; Feminist and Gender Theory; Ethnicity and Nationalism; Travellers, Rights and Nomadism; Space, Place and Gender; Gender War and Violence; Reproductive Justice and Sexuality.

**Admission Requirements:** Minimum 2:2 Honours (or equivalent) in an honours level Bachelor’s degree.

**IELTS:** Minimum 6.5 overall score required with no section less 6.0.

**Course Webpages:** [shortened as] <http://bit.ly/2tYixn>

**Application:** Apply online via course webpage



**Law,  
Human Rights  
and related**



**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** This programme aims to prepare graduates for work in the field of international peace support operations, with international organisations, non-governmental organisations and as individual advocates.

**Indicative Content:** Core – International Peace Support Operations; International Humanitarian Law; Dissertation. Options - Peace Support Operations; International Humanitarian Law; Business and Human Rights; Children's Rights; Conflict and Post-Conflict; Counter-Terrorism and Human Rights; Economic, Social & Cultural Rights; European Convention on Human Rights; European Union and Human Rights; International Criminal Law; International Criminal Procedure; International Refugee Law; Introduction to Human Rights Law; Minority Rights; Public International Law; Procedure before International Criminal Courts; Right to Development; Transitional Justice; Women's Rights;

**Admission Requirements:** Applicants must normally have attained at primary degree level a result of Second Class Honours Grade 1 or equivalent. However, those falling short of this standard may be considered where they can demonstrate other appropriate academic accomplishments as well as relevant work experience.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] <http://bit.ly/2uWysji>

**Application:**

**PAC Code: GYL02**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** This course aims to prepare graduates for work in the field of international human rights, with international organisations, non-governmental organisations and as individual advocates. While the emphasis of the course is legal it accepts suitably qualified candidates from other backgrounds in the firm belief that human rights itself is multidisciplinary. The LLM programme aims to build specific and general skills with respect to the modern regime of human rights protection, and knowledge of the philosophies and theories that underpin it.

**Indicative Content:** Core – Introduction to International Human Rights Law; Dissertation. Options - Business and Human Rights; Children's Rights; Conflict and Post-Conflict; Counter-Terrorism and Human Rights; Economic, Social and Cultural Rights; European Convention on Human Rights; European Union and Human Rights; Gender and Human Rights; Human Rights, Sexual Orientation and Gender Identity; Human Rights Field Work; Islam and Human Rights; International Criminal Law; International Criminal Procedure; International Humanitarian Law; Introduction to Human Rights; Minority Rights; Peace Support Operations; Public International Law; Procedure Before International Criminal Courts; Refugee Protection; Right to Development; Transitional Justice.

**Admission Requirements:** It is preferred that applicants hold a degree in Law. However, the Centre also welcomes students with undergraduate degrees in disciplines other than law. In cases where applicants come from a non-

law background, the Centre for Human Rights will consider academic background, relevant work experience, references and personal statement. Applicants must normally have attained at primary degree level a result of Second Class Honours Grade 1 or equivalent. However those falling short of this standard may be considered where they can demonstrate other appropriate academic accomplishments as well as relevant work experience.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] [www.bit.ly/1UUvp0n](http://www.bit.ly/1UUvp0n)

**Application:**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**PAC Code: GYL00**

**17 LLM in International and Comparative Disability Law\***

**NUIG**

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** The introduction of the United Nations Convention on the Rights of Persons with Disabilities has resulted in significant changes in the area of Disability Law and Policy. The LLM in International and Comparative Disability Law and Policy addresses that and graduates from this programme will be the first to emerge skilled in this growing area of law and policy.

**Indicative Content:** Core - Foundational Theoretical Framework for Disability Law and Policy; Dissertation. Options – Mental Health Law and Policy; Law, Regulation & Policy; Contemporary Challenges in Disability Law and Policy; Advocacy and Access to Justice; Immigration Law: Between Sovereignty and Equality; Universal Environments; Minors, Minority Groups & the Criminal Justice System; Regional Disability Law and Policy; Legal Capacity Law and Policy; Law and Policy on Independent Living; Inclusive Education Law and Policy; Crime and Disorder; Contemporary Issues in Child and Family Law; Local Government Law; The Criminal Jury; Equality Law; Principles & Thematic Application; Processes of Law Reform; Theories of Judicial Activism; Sentencing & Penal Policy; Advocacy, Activism and Public Interest Law; Advanced Legal Research & Method.

**Admission Requirements:** Applicants must hold a Second Class Honours Grade 1 degree in law. In exceptional circumstances, applicants holding a degree in another discipline or a degree of less than a Second Class Honours Grade 1 standard may be considered where they have relevant professional experience in law or disability rights.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] [www.bit.ly/1J2PHhs](http://www.bit.ly/1J2PHhs)

**Application:**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**PAC Code: GYL11**

**K**

**Engineering, Hydrology,  
Sustainable Technology**

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** This programme will provide engineers with the technical competences to provide solutions to deliver safe/clean water. The programme will also give opportunities to students to study economics and the project management of large projects. Key components of this programme are a focus on understanding and using modern hydraulic modelling tools, and working in design groups.

**Indicative Content:** Core: Hydrology & Water Resources; Hydraulic Modelling; Design of Sustainable Environmental Systems; Hydropower; Water Quality Modelling; Water Resources in Developing Countries; Applied Field Hydrogeology; Advanced Fluid Mechanics; Numerical Analysis; Integrated Design Project. Options: Computational Methods in Civil Engineering; Turbomachines & Advanced Fluid Dynamics; Environmental Economics; Engineering Finance Project Management; Applied Statistics for Engineers; Computational Fluid Dynamics; Environmental Impact Assessment; Global Climate Change; Introduction to Applied Field Hydrology.

**Admission Requirements:** Minimum entry requirement is a Second Class Honours Grade 1 in civil/environmental engineering or equivalent. Applications from candidates from cognate disciplines will be considered on a case-by-case basis.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] <https://bit.ly/2nAaLLH>

**Application:**

**PAC Code: GYE23**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** Trinity College Dublin

**Course Duration:** 1 year

**Course Outline:** The MSc in Sustainable Energy is designed to provide engineers, and other suitably qualified graduates with a specialist understanding of energy management as well as sustainable energy generation. The course will advance your knowledge in efficiency techniques, sustainable energy technologies and energy management systems and strategies. It also includes theory and practice along with economics, management, current legal requirements and standards.

**Indicative Content:** Civil Engineering Management; Research Methodology; Research Dissertation; Wind Energy; Solar Energy Conversion and Applications; Building Energy Physics and Control; Energy Policy and Demand; Renewable Heat; Wave & Hydro Energy

**Admission Requirements:** An upper second honours degree (or equivalent) in a Civil Engineering or related degree. Relevant industrial experience may be taken into account in allocating places where the course is oversubscribed.

**Course Webpage:** <https://www.tcd.ie/civileng/msc-in-sustainable-energy-engineering/>

**Application:** Apply online via course webpage.

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This programme aims to equip students with the information base and skill set to actively participate in this growing global market where energy/environment policy and technological innovation meet. It will provide students with knowledge and understanding of: (i) energy trends, their impacts on the environment and the engineering solutions to mitigate the damage; (ii) engineering of individual renewable energy sources of wind, hydro, biomass, wave, solar and geothermal; (iii) energy conversion processes for electrical, thermal and transport energy supply; (iv) the integration of intermittent renewable energy with the electricity network; (v) sustainable energy end use in building design, construction and management.

**Indicative Content:** Sustainable Energy; Solar and Geothermal Energy; Electrical Power System; Energy in Buildings; Energy Systems in Buildings; Wind Energy; Energy Systems Modelling; Biomass Energy; Photovoltaic Systems; Control Engineering; The Engineer in Society; Ocean Energy; Biomass Energy; Power Electronic Systems; Preliminary Research Project; Dissertation.

**Admission Requirements:** Minimum 2:2 Honours BE or BEng Degree. Candidates with equivalent academic qualifications and suitable experience may be accepted.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** <https://www.ucc.ie/en/ckr26/>

**Application:**

**PAC Code: CKR26**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** University College Dublin

**Course Duration:** 1 year

**Course Outline:** This programme prepares graduates to work in the broad field of environmental protection and management. Students in this programme will gain advanced theoretical and conceptual knowledge and understanding in the area of environmental engineering on topics such as engineering hydrology, environmental modelling, water and wastewater treatment, solid waste management, and environmental data analysis, among others.

**Indicative Content:** Core - Introduction to Water Resources Engineering 1; Science and Technology for Sustainable Development; Water Waste and Environmental Modelling; Environmental Impact Assessment; Quantitative Methods for Engineers; Environmental Research Project. Options - Unit Treatment Process in Water Engineering; Hydraulic Engineering Design; Introduction to Water Resources Engineering 2; Integrated Municipal Solid Waste; Remote Sensing; Advanced Air Pollution; Civil Engineering Systems; Freshwater Resources Assessment; GIS and Data Analysis; GIS and Remote Sensing; Geographical Information Systems for Policy and Planning; Applied Statistical Modelling.

**Admission Requirements:** A recognised bachelor's degree (honours) in engineering (minimum 4-yr, 240 ECTS), preferably in civil engineering or environmental engineering, or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] [www.bit.ly/1607Ekt](http://www.bit.ly/1607Ekt)

**Application:** Apply online via course webpage.

**K20 MSc in Sustainable Resource Management: Policy and Practice\* UL/NUIG**

**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** The course will help develop government policy and economic recovery by producing top quality graduates who can contribute to a smart economy and hasten implementation of green technologies. The course applies an evidence based approach to developing solutions for all system users. Graduates will become technically fluent in selected environmental science theory, policy development, implementation and best practice. This course is suitable for graduates with a primary degree in the Environmental Sciences/Engineering/Economics or Geography/Biological Sciences/Ecology and Earth Sciences who wish to extend their knowledge and skills for a career related to resource management.

**Indicative Content:** NUIG – Ecosystem Assessment; Biodiversity and Conservation; Environmental Problems and Solutions. UL – Material and Energy Flows; Urban Form and Transport; Urban Household Sustainability; Sustainable Life-cycle Engineering; Research Project.

**Admission Requirements:** At least a second class honours primary degree in an appropriate discipline, or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/1QCJSLp>

**Application:** Apply online via course webpage.

**K22 MSc in Sustainable Energy Engineering WIT**

**Study Location:** Waterford Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This course will provide students with expertise in energy use, environmental performance and sustainability in the design and operation of buildings and their associated facilities and services systems. It will encourage the development of students' powers of analysis, synthesis and communication to develop a broader understanding of Low Energy Building Design and Management.

**Indicative Content:** Sustainability and the Environment; Personal Effectiveness; Advanced Dynamic Thermal Simulation – Services Systems; Statistical Analysis; Energy Auditing; Dynamic Thermal Simulation – Building Fabric; Building Pathology and Investigation; Building Services Systems; Facilities Management; Passive and Low Energy Building Design; Sustainable Energy Technology; Research Methods; Dissertation.

**Admission Requirements:** Normally a second class honours degree in an engineering related and technical programme such as building services engineering, mechanical engineering, civil engineering, construction management, quantity surveying, architectural technology and architecture. Students from other associated engineering and science disciplines are welcome to apply.

**Course Webpage:** [shortened as] [www.bit.ly/1Qhjj07](http://www.bit.ly/1Qhjj07)

**Application:**

**PAC Code: WD554**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**L**

**Economics,  
Finance and  
Accounting**



**Study Location:** Maynooth University

**Course Duration:** 1 year

**Course Outline:** The MSc. Economic and Financial Risk Analysis provides students with international quality training in the fundamental concepts and tools required by the financial sector. The programme emphasises 'problem solving' through a combination of theoretical principles and empirical tools. Successful graduates are equipped with a wide range of economic, financial, quantitative and communication skills.

**Indicative Content:** Core – Microeconomics; Macroeconomics; Fundamental of Econometrics; Econometrics; Financial Economics; Advanced Derivatives; Financial Risk Analysis; Empirical Finance. Options – Thesis; Work Placement.

**Admission Requirements:** At least a 2.1 honours degree at undergraduate level in Finance or Economics, or where Finance formed a substantial component, or where there was a substantial quantitative component, such as Mathematics, Engineering, Computer Science, Maths Physics or Statistics.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/29LvB1T>

**Application:**

**PAC Code: MHH64**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** Trinity College Dublin

**Course Duration:** 1 year

**Course Outline:** This programme is designed for students with a quantitative background who want to explore how financial tools can be used to mitigate risk for corporations and society. Students learn how to interpret and assess the risk of individual financial instruments and assets, while critiquing modern finance from a risk perspective.

**Indicative Content:** Core – Mathematics of Contingent Claims; Corporate Finance; Credit Risk; Derivatives; Market Risk; Risk Quantification and Measurement; Operational Risk; Credit and Fixed Income Instruments; Dissertation. Options – Energy Finance and Trading; Financial Markets and Institutions; Enterprise Risk Management; Advanced Statement Analysis; Panel and Cross Sectional Data Analysis; Trading Psychology and Behavioural Analysis; Treasury Management; Private Equity; Financial Modelling & Scenario Analysis; Portfolio and Wealth Management; Financial Econometrics; Ethical Business.

**Admission Requirements:** A first or upper second-class honours degree, or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** <https://www.tcd.ie/business/msc/financial-risk/>

**Application:** Apply online via course webpage.

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This programme involves advanced study of the practices of investment, banking and risk management. The course also involves an applied research project, using cutting-edge techniques and software. The programme is at the top end of graduate study in business/finance in Ireland and is designed for high achievers who wish to pursue high-end careers in financial market.

**Indicative Content:** Fund Management and Evaluation; Fixed Income Securities; Asset Pricing; Securities Valuation and Selection; International Finance; Treasury Risk Management; Financial Institutions and Money Markets; Derivative Securities; Macroeconomics for Financial Markets; Regulation and Compliance in Capital Markets; Applied Econometrics; Applied Time Series Analysis; Research Methods; Applied Research Project.

**Admission Requirements:** Upper second class honours degree (2:1 grade) or higher in a business subject, or in a related subject with a quantitative element such as mathematics, statistics, engineering, science, etc.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** <https://www.ucc.ie/en/ckl19/>

**Application:**

**PAC Code: CKL19**

Apply online via The Postgraduate Applications Centre – (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code above.

**Study Location:** University College Dublin, Michael Smurfit Business School

**Course Duration:** 1 year

**Course Outline:** The MSc in Aviation Finance aims to advance students understanding of all aspects of aviation finance, with specific focus on the practical features of global aviation markets. It encourages students to develop creative and analytical approaches to problem solving in the aviation finance and leasing sphere and to enhance interpersonal and leadership skills.

**Course Suitability:** It is suitable for graduates from a wide variety of disciplines including business, economics, finance, engineering and science who want to pursue a career in the highly dynamic sector of Aviation Finance & Leasing.

**Indicative Content:** Core – Accounting/FSA for Aviation; Aviation Tax; Aviation Finance 1 and 2; Quantitative Methods; Capital Markets & Instruments; Aviation Economics; Topics in Aviation Finance; Doing Business Globally; Law of Aviation Finance. Options – Aviation Finance Research Project or Aviation Industry Internship or (choose 2) Advanced Treasury Management; Management of Banking Institutions; Mergers and Acquisitions; Financial Modelling.

**Admission Requirements:** (i) A minimum second-class honours degree (or equivalent) in Business/Commerce (with quantitative subjects), Economics, Finance, Engineering, Mathematics, Physics or a Finance related area; or (ii) A primary degree with a minimum of three years' work experience in the aviation industry.

**IELTS:** Minimum 7.0 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2oDBN5K>

**Application:** Apply online via course webpage.

<b>L15</b>	<b>MSc in Renewable Energy &amp; Environmental Finance*</b>	<b>UCDMS</b>
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**Study Location:** University College Dublin, Michael Smurfit Business School

**Course Duration:** 1 year

**Course Outline:** As the only Masters in the world covering both energy finance and environmental finance, this course offers an unrivalled level of specialisation in global energy and environmental markets. The curriculum encompasses the major theoretical aspects of energy and the environment in economics and finance, along with modules focusing upon the tools and techniques for evaluating a comprehensive range of global and regional energy-environment issues.

**Indicative Content:** Core – Quantitative Methods for Finance; Financial Econometrics; Capital Markets and Instruments; Commodity Finance; Financial Theory; Financial Analysis; Environmental Finance; Electricity Markets; Energy Economics and Policy; Green Business; Portfolio and Risk Management. Options – Mergers and Acquisitions; Financial Modelling; Advanced Treasury Management; Aircraft Financing; Behavioural Finance; International Finance; Applied Investment Management; Research Project.

**Admission Requirements:** Minimum 2:1 undergraduate degree in (i) Business/Commerce including quantitative subjects such as Economics, Finance or Accounting; or (ii) a Finance-related area, Mathematical Finance, Economics, Mathematics, Statistics, Environmental Science, Science, Computer Science, Engineering or Physics. Applicants should have demonstrated strong academic ability (a 1.1 or 2:1) in a number of quantitative modules in their degree, such as Mathematics, Statistics, or Econometrics. Candidates may be asked to sit the Graduate Management Admissions Test (GMAT).

**IELTS:** Minimum 7.0 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2AQedeu>

**Application:** Apply online via the course webpage.

<b>L18</b>	<b>Masters in Business Studies (MBS) – Economics and Finance*</b>	<b>WIT</b>
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**Study Location:** Waterford Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This course emphasises developing skills of critical thinking, analysis, debate, dealing with high levels of ambiguity, decision making and the simultaneous treatment of inter dependent decisions in a more complex environment. Students will gain a unique and valuable combination of an in depth knowledge of the theoretical underpinnings of financial markets with the relevant technical and analytical skills to apply in a ‘real-world’ environment.

**Indicative Content:** Econometrics; Innovation Management and Design; Financial Derivatives; Business Simulation 1; Seminar Series; Research Methods; Corporate Financial Interpretation; Financial Risk and Regulatory

Management; Applied Consultancy Business Simulation 2; International Study Trip; Qualitative Research or Quantitative Research Methods; Monetary Economics; Dissertation.

**Admission Requirements:** Usually a 2:1 award in a strong specialist business/economics and finance undergraduate degree or a general business undergraduate degree with an economics and finance major/specialism. Please note the English language requirements for admission given on the website (also see p3).

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] [www.bit.ly/17TV1Dg](http://www.bit.ly/17TV1Dg)

**Application:**

**PAC Code: WD507**

Apply online via The Postgraduate Applications Centre – (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application codes above.

**M**

**Management  
and Business**

**Study Location:** Cork Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The programme is designed to expose students to current issues in the Human Resource Management domain at a strategic level. This Masters programme has been designed in consultation with industry to respond to changes that have taken place in the HR area. It is aimed at professionals in the Human Resource discipline who wish to further their career and enhance their skillset.

**Indicative Content:** International Corporate Strategy; Professional Employment Law; HRM in Context; Coaching and Mentoring; Applied Corporate Strategy; Employee Engagement; Leading, Managing & Developing; Training Talent & Knowledge Management; Research Methods; Reward & Incentive Management; Sourcing & Testing; Dissertation.

**Admission Requirements:** Bachelor of Arts (Honours) in Human Resource Management at grade H2:2 or higher. Graduates of cognate Honours programmes who have attained HR experience may also be eligible.

**Course Webpage:** <http://www.cit.ie/course/CRBHRMN9>

**Application:** Apply directly to the International Office by emailing [international@cit.ie](mailto:international@cit.ie) with an application form, which is available for download at [international.cit.ie/how-to-apply](http://international.cit.ie/how-to-apply).

**Study Location:** Dublin Business School

**Course Duration:** 1 year

**Course Outline:** The applied nature of the programme delivery ensures graduates are equipped to play a vital role in the management of any organisation. They will be equipped to interpret and synthesise information to confidently resolve complex issues which face today's organisations. Graduates will gain a deep level of knowledge and understanding of current issues within Management and then will apply this knowledge to real work situations to gain experience of practical applications.

**Indicative Content:** Core – Marketing Analysis; Strategic Management and Leadership; Financial Analysis; Innovation and Change Management; Information Systems and Project Management; Human Capital Management and Development; Research Methods I and II; Dissertation. Options – Work Based Learning; Management Simulation and Personal and Professional Development.

**Admission Requirements:** A minimum Second Class Honours Degree (2:2) in any discipline from a recognised third level institution. In some cases where an individual does not have a 2:2 or higher degree, they may be considered if they have at least 3 years appropriate business management experience

**Course Webpage:** [shortened as] <https://bit.ly/2MchDgc>

**Application:** Apply online via the course webpage.

**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The innovative and distinguishing features of this programme are its focus on international elements of management, its emphasis on enhancing leadership capability, and the importance given to building professional competencies. You will also develop insights into the latest developments in HRM, including cross-cultural management, people management, and the strategic importance of the HR function.

**Indicative Content:** Labour Law; Organisational Analysis; Management Research Report/Dissertation; People Management & Development; Researching HRM; Managing Organisational Learning & Knowledge; Leadership & Career Development; Selection & Assessment; Managing Employee Performance and Reward; International HRM; International Employee Relations; Strategic Human Resource Management.

**Admission Requirements:** A second class honours grade 1 degree (or international equivalent).

**IELTS:** Minimum 6.5 overall score required, with a minimum score of 6.5 in writing and speaking, and a minimum 6.0 in listening and reading.

**Course Webpage:** [shortened as] <https://bit.ly/2L0sN2U>

**Application:**

**PAC Code: DC632**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The overall learning outcomes of the programme are to provide participants with a detailed knowledge of the theory and practice of SCM, develop graduates to contribute effectively to multi-discipline teamwork aimed at radical improvements in supply chain capability, prepare graduates of all disciplines for a variety of roles in SCM, and provide personal development opportunities for students in parallel with their meeting career development objectives.

**Indicative Content:** Core – Introduction to Supply Chain Management; Research Methods; Understanding Customer Service; Manufacturing Strategy and Operations; Physical Distribution Management; Purchasing; Information Technology in the Supply Chain; Introduction to Business Strategy; Dissertation. Options – Managing People; Management of Information Systems.

**Admission Requirements:** Applications will be assessed based on your academic grades and may also take into account your work/life experience.

**Course Webpage:** [shortened as] <http://bit.ly/2xccNp4>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

**M9 MSc in Supply Chain Management****ITC**

**Study Location:** Institute of Technology, Carlow

**Course Duration:** 1 year

**Course Outline:** This Masters course offers a robust understanding of the concepts and best practices in Supply Chain Management for application in today's global economy.

**Indicative Content:** Lean Manufacturing and Six Sigma; Communications for Supply Chain Professionals; Research Project SCM; Performance Management; Supply Chain Financial Management; Sustainable Supply Chains; Research Methods; Strategic Supply Management; Global Logistics and Technology.

**Admission Requirements:** An undergraduate degree with a minimum 2:2 or equivalent in a related discipline.

**Course Webpage:** [shortened as] <https://bit.ly/2MsyUlz>

**Application:** Apply directly to the International Office by emailing [noneuapply@itcarlow.ie](mailto:noneuapply@itcarlow.ie) with an *IT Carlow Non-EU Application Form*, which is available for download at <https://bit.ly/2vSovWB>.

**M10 MSc in Information Technology Management****ITC**

**Study Location:** Institute of Technology, Carlow

**Course Duration:** 1 year

**Course Outline:** Drawing on best practise from Ireland and abroad, the programme is designed to meet current industry needs and is aimed at developing academic knowledge and practical skills in areas such as IT management, leadership strategies and techniques, IT related project management and tools, operational and resource management of data and information systems, and data security.

**Indicative Content:** Leadership & Strategy; Innovation Management; Technology Integration; Project Management; Information Security Management; Data & Information Systems Management; Vendor & Service Management; Dissertation; Research Methods.

**Admission Requirements:** An undergraduate degree with a minimum 2:2 or equivalent in Computer Science or Electronic Engineering.

**Course Webpage:** [shortened as] <https://bit.ly/2wd1GMz>

**Application:** Apply directly to the International Office by emailing [noneuapply@itcarlow.ie](mailto:noneuapply@itcarlow.ie) with an *IT Carlow Non-EU Application Form*, which is available for download at <https://bit.ly/2vSovWB>.

**M11 Master of Business in Marketing & Management Strategy****LIT**

**Study Location:** Limerick Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This programme will employ a learner-centred instructional philosophy, namely Problem Based Learning (PBL). The aim of PBL is to prepare learners for the demands of real life marketing and management



positions in a rapidly changing, knowledge-based economy. In a PBL environment, learners are encouraged to solve problems, which are set in a real world framework.

**Indicative Content:** Integrated Marketing Communications (incl. New Media); Financial Analysis for Management Decisions; Business Research Methods; Planning, Strategy and Innovation; Consumer Behaviour and Relationship Management; Branding and Product Management & Commercialisation; Research Thesis.

**Admission Requirements:** An undergraduate degree with a minimum 2:2 or equivalent in business management and/or marketing, or a degree in business management and/or marketing or an appropriate professional business qualification and at least 2 years relevant professional experience/responsibility.

**Course Webpage:** [shortened as] <https://bit.ly/1ie36y1>

**Application:** Apply directly to the International Office by emailing [international@lit.ie](mailto:international@lit.ie) with an *LIT International Application Form*, which is available for download at <https://bit.ly/2OH0oBe>.

## M12 MSc in Strategy and Innovation\*

MU

**Study Location:** Maynooth University

**Course Duration:** 1 year

**Course Outline:** Students develop a blend of individual competencies necessary to be successful managers, including teamwork, communication, and leadership skills, coupled with organisational level insights into how firms can design strategies and innovate to deliver value for customers. It is suited to both recent graduates interested in developing a graduate management career and experienced managers and entrepreneurs interested in developing the skills and capabilities necessary to develop and implement strategic initiatives and lead organisations.

**Indicative Content:** Innovation; Strategic Management: Tools and Concepts; Digital Business; Career Planning and Development; Leadership; Strategy Live; Financial Management; Actionable Insights Through Research; Placement Project.

**Admission Requirements:** Candidates must hold a Business, Management, or Marketing degree (level 8), or a Business-related degree, having achieved a minimum of a 2.2 honours (or equivalent) overall. Alternatively, you may hold a non-Business degree (minimum 2.2 overall) with at least five years' work experience.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2xaNOlc>

**Application:**

**PAC Code: MH54D**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** The programme examines the nature of work and explores industrial relations and human resource management in changing national and international markets. The focus is on the people aspect of business and explores how the relationship between employers and employees can be managed to the best advantage of both parties.

**Indicative Content:** People Management & Development; Employee Relations; Human Resource Development; Dissertation; Research Project; Research Methods; Strategic Management; European Labour Markets; Strategic Modelling; Reward Systems; Industrial Relations and Employment Law; Leadership and Change; HR Consultancy; International Human Resource Management; Equality and Diversity in Employment; Developing Skills for Business Leadership.

**Admission Requirements:** Normally a 2:1 Honours degree (or equivalent) in business, management or a related discipline. Experience is also considered. Additional requirements: (i) A personal statement explaining your reasons for choosing this programme, and (ii) An interview if requested.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] <http://bit.ly/1ihlIAV>

**Application:**

**PAC Code: GYC02**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** University College Dublin, Michael Smurfit Business School

**Course Duration:** 1 year

**Course Outline:** The curriculum has been co-devised by UCD Smurfit School and UCD School of Agriculture and Food Science in order to offer a unique opportunity to receive the highest quality business training as well as to gain a deep understanding of the food sector. Students will gain advanced knowledge of the factors specific to food effecting the sustainability of food production and the role that innovation can play in the sector. They will also gain an appreciation of the increasingly complex and global environment in which the food business currently operates and the uncertainties and risks attached to food production.

**Indicative Content:** Food Policy; Customer Driven Marketing for the Food Industry; Competitive Strategy in the Global Food Industry; Food Business Innovation; Economics of Food; Supply Chain Management in Global Food Systems; Leadership for Growth in the Food Industry; Group Food Strategy Project.

**Admission Requirements:** A minimum second-class honours degree (or equivalent) in any discipline, or a primary degree with a minimum of three years' work experience

**IELTS:** Minimum 7.0 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/1jUoBj5>

**Application:** Apply online via course webpage.

**M22 MSc in Strategic Management & Planning\***

**UCDMS**

**Study Location:** University College Dublin, Michael Smurfit Business School

**Course Duration:** 1 year

**Course Outline:** The course content has been designed to equip students with the skills to devise and successfully implement strategic initiatives based upon detailed assessment of the internal and external environments of a company. The course will hone your teamwork and business communication skills by working on real-life business situations to identify and resolve strategic and operational business problems and offer recommendations.

**Indicative Content:** Core – Economic Foundations of Strategy; Planning and Decision Making Techniques; Behavioural Foundations of Strategy, Planning and Control; Strategic Resource Allocation; Managing the Negotiation Process. Options – Project Management; New Venture Dynamics; Leadership Development Skills; Contemporary Issues in Strategy; Economics of Entrepreneurship; Creativity Innovation & Entrepreneurship; Technology & Innovation Strategy; Mindfulness & Resilience at Work; Technology & Innovation Strategy; Managing, Leading & Coaching Change; The Science of Teams; Cross-Cultural Management; Globalisation & Social Movement; International HRM; Financial Management; SMP Dissertation.

**Admission Requirements:** A minimum second-class honours degree (or equivalent) in any discipline, or a primary degree (or equivalent) with a minimum of three years' relevant business work experience.

**IELTS:** Minimum 7.0 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2lm7rFB>

**Application:** Apply online via course webpage.

**M23 MSc in Project Management\***

**UL**

**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** This course aims develop knowledge and understanding of the theories and principles of modern approaches to managing projects. Learners will gain skills in critically analysing and engaging actively in the development and integration of project management as a way of work within organisations. Competencies to manage groups and teams and to interact effectively with project stakeholders will be developed and project management best practice in managing human, physical and financial resources throughout the project lifecycle will be studied. The concepts and theories of corporate and social responsibility will be introduced to provide a framework for planning and evaluating the actions and performance of a project in the context of sustainable and socially responsible activity.

**Indicative Content:** Knowledge and Information Management in Project Environments; Project Management Science and Principles; Strategy Formulation and Implementation; Project Planning and Control; People and Behaviour in Projects; Decision Analysis and Judgement in Projects; Research in Projects and Organisations; Commercial Management of Projects; International Project Management; Project Leadership & Governance; Project Management Simulation; Research Project or Confirmation Paper.

**Admission Requirements:** Minimum of 2:2 honours primary degree or equivalent in a project management related field, such as engineering, science, business, information technology, public administration, health and education. Candidates may be selected for interview to determine suitability.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course webpage:** [www.ul.ie/graduateschool/course/project-management-msc](http://www.ul.ie/graduateschool/course/project-management-msc)

**Application:** Apply online via course webpage.

## M24 MA in Business Management\*

UL

**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** This course covers the fundamental business disciplines: accounting, business communications, economics, human resource management, information management, knowledge management, management principles, marketing management, organisational behaviour and strategic management.

**Indicative Content:** Economics for Business; Management Principles; Information Management; Organisational Behaviour; Marketing Management; Financial Management and Decision Making; Knowledge Management; Business Communication; Human Resource Management; Strategic Management; Business Simulation; MA Confirmation Paper.

**Admission Requirements:** Minimum of a 2:2 Honours primary degree in any field other than Business or Commerce related fields, or equivalent.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] [www.bit.ly/17TW06w](http://www.bit.ly/17TW06w)

**Application:** Apply online from the course webpage

**N**

**Information Systems  
& Communications  
Technology**

**Study Location:** Athlone Institute of Technology

**Course Duration:** 1 year

**Course Outline:** Students will develop their skills in areas including database technologies, data manipulation languages including SQL and the R programming language. In order to understand the data, a range of techniques will be taught, including programming for Big Data, statistics and probabilities and the interpretation of data. Interwoven within these modules is the use of industry-standard data analytics software tools.

**Indicative Content:** Relational Databases in the Era of Big Data; Programming for Big Data; Data Analytics; Statistics for Data Analysis; Data Driven Decision Making; Advanced Analytics; Research Methods; Databases for Big Data; Data Visualisation; Industry-led Project.

**Admission Requirements:** An honours degree in Business, Science or Engineering, with a minimum grade of 2.1 (60%), comprising of at least 30 ECTS credits in any combination of maths, computer science or engineering.

**Course Webpage:** <https://www.ait.ie/courses/master-of-business>

**Application:** Application forms can be downloaded at: [www.ait.ie/international/non-eustudents](http://www.ait.ie/international/non-eustudents)  
For enquiries, contact Mary Simpson, AIT International Office - [international@ait.ie](mailto:international@ait.ie) or +353 90 642 4562.

**Study Location:** Athlone Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The aim of this programme is to provide an opportunity for computer professionals and engineers to enhance their knowledge and expertise in areas of current active research and development in software engineering. Participants gain exposure to the various techniques for performing academic research. The course also aims to provide an environment in which the participant is exposed to new technological developments, to ethical and social issues affecting the computer industry, and to the requirement to uphold general professional standards.

**Indicative Content:** Software Engineering Project; Software Design; Data Science; Service-oriented Architecture; Agile Build and Delivery; Database Systems; Computer Networks and Telecommunications; Data Visualization; Rich Internet Applications.

**Admission Requirements:** Honours (Grade 2.2) degree in an appropriate engineering, computing or cognate discipline, or an equivalent qualification. Appropriate experience (or appropriate qualifier) may also be required depending upon the degree qualifications.

**Course Webpage:** [shortened as] <https://bit.ly/2PuhfZm>

**Application:** Application forms can be downloaded at: [www.ait.ie/international/non-eustudents](http://www.ait.ie/international/non-eustudents)  
For enquiries, contact Mary Simpson, AIT International Office - [international@ait.ie](mailto:international@ait.ie) or +353 90 642 4562.

**Study Location:** Cork Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This programme aims to fill the ever increasing skills gap in the area of information security and delivers material that follows the most current practice. Upon successful completion of this programme the student will both understand and deploy the most advanced methods to protect information at rest, in transit, and at work.

**Indicative Content:** Core - Incident Response and Digital Forensics; Security Management and Law; Applied Cryptography; Web Application and Network Penetration Testing; Networking Security & Forensics; Scripting for System Administrators; Information Security Research Project. Options - Cloud Security; Data Analytics; Malware Investigations; Malware Reverse Engineering; Threat Intelligence; Software Security;

**Admission Requirements:** A minimum of an Honours Degree in Computing or in a cognate discipline.

**Course Webpage:** <http://www.cit.ie/course/CRKINF59>

**Application:** Apply directly to the International Office by emailing [international@cit.ie](mailto:international@cit.ie) with an application form, which is available for download at [international.cit.ie/how-to-apply](http://international.cit.ie/how-to-apply).

**Study Location:** Cork Institute of Technology

**Course Duration:** 9 months

**Course Outline:** This programme aims to produce AI engineers with a highly relevant skillset in AI topics. Students will learn how to use and develop intelligent computer systems that can learn from experience, recognise patterns in vast amounts of data and reason strategically in complex decision-making situations. The programme content will deliver a comprehensive range of topics integral to the study of AI. Students will be presented with opportunities to work on industry focused projects and research opportunities linked to the domain expertise of each lecturer.

**Indicative Content:** Core – Practical Machine Learning; Knowledge Representation; Metaheuristic Optimisation; Big Data Processing; Research Practice & Ethics; Deep Learning; Decision Analytics; Research Project. Options – Natural Language Processing; Recommender Systems; AI for Sustainability; Computer Simulation & Analysis; Robotics & Autonomous Systems; Planning and Scheduling; Fraud and Anomaly Detection.

**Admission Requirements:** A minimum second-class honours degree in Computer Science, Computing, Electrical/Electronic Engineering or a cognate discipline. Furthermore, all successful applicants are required to have a proficiency in mathematics, including statistics, and an advanced level of coding competency in a modern high-level computer programming language.

**Course Webpage:** <http://www.cit.ie/course/CRKARIN9>

**Application:** Apply directly to the International Office by emailing [international@cit.ie](mailto:international@cit.ie) with an application form, which is available for download at [international.cit.ie/how-to-apply](http://international.cit.ie/how-to-apply).

**Study Location:** Dublin Business School

**Course Duration:** 1 year

**Course Outline:** The programme is designed to create a deep level of knowledge and understanding in core areas such as programming, databases, web technologies and security while also offering practical skills in contemporary topics such as data analytics, distributed systems and mobile and social computing. In addition, the programme allows students to explore the issues around the management of information technology in business and industrial contexts.

**Indicative Content:** Software Engineering; Advanced Databases; Web and Mobile Technologies; Personal and Professional Development; Research Methods I and II; Data and Data Analytics; Computer Systems Security; Enterprise Information Systems; Project.

**Admission Requirements:** A minimum Second Class Honours (2:2) in an IT/IS discipline or a Business discipline where IT/IS is a significant component of the degree from a recognised third level institution, or equivalent qualification in a cognate discipline.

**Course Webpage:** [shortened as] <https://bit.ly/2npEG9g>

**Application:** Apply online via the course webpage.

**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The MSc in Computing offers a choice of Majors, designed to equip graduates with a range of cutting-edge skills, enabling them to produce high-quality software and systems that deliver solutions to business and the economy. The Data Analytics major provides students with a deep understanding of the issues, techniques and tools to examine large amounts of raw data in order to extract meaningful conclusions from the information these contain.

**Indicative Content:** Research/Professional Skills; Cloud Architectures; Data Management and Visualisation; Statistical Data Analysis; Machine Learning; Data Analytics and Data Mining; Mathematical Methods/Computational Science.

**Admission Requirements:** The entry requirements for this programme is a 2:1 or higher in computer science or related discipline.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/2uYqElN>

**Application:**

**PAC Code: DC836**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. Additional application information is posted on the course webpage.



**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The MSc in Computing offers a choice of Majors, designed to equip graduates with a range of cutting-edge skills, enabling them to produce high-quality software and systems that deliver solutions to business and the economy. This major investigates fundamental issues relating to cloud architecture, cloud security, data mining and networks.

**Indicative Content:** Core – Research/Professional Skills; Cloud Architectures; Concurrent Programming; Cloud Technologies; Network Security. Options – Systems Software; Cryptography & Number Theory; Secure Programming; Data Management and Visualisation; Formal Methods; Machine Learning.

**Admission Requirements:** The entry requirements for this programme is a 2:1 or higher in computer science or related discipline.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/2uYqElN>

**Application:**

**PAC Code: DC836**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. Additional application information is posted on the course webpage.

**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The MSc in Computing offers a choice of Majors, designed to equip graduates with a range of cutting-edge skills, enabling them to produce high-quality software and systems that deliver solutions to business and the economy. The Software Engineering major will equip software engineering professionals with additional cutting-edge skills to produce high-quality software and systems that deliver value to business and the economy.

**Indicative Content:** Core – Research/Professional Skills; Systems Software; Formal Methods; Concurrent Programming; Software Process Quality. Options – Secure Programming; Data Management and Visualisation; Cryptography and Number Theory; Cloud Architecture; Cloud Technology; P-Key Cryptography & Security Protocols.

**Admission Requirements:** The entry requirements for this programme is a 2:1 or higher in computer science or related discipline.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/2uYqElN>

**Application:**

**PAC Code: DC836**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. Additional application information is posted on the course webpage.

**Study Location:** Dublin City University

**Course Duration:** 1 year

**Course Outline:** The MSc in Computing offers a choice of Majors, designed to equip graduates with a range of cutting-edge skills, enabling them to produce high-quality software and systems that deliver solutions to business and the economy. This major focuses on security of all software systems and attacks the problem through emphasising preventive approaches. The programme's dual approach studies system fundamentals and cryptographic methods, as well as exploring forensic investigative techniques.

**Indicative Content:** Research/Professional Skills; Cryptography and Number Theory; Secure Programming; Systems Software; Forensic Computing; P-Key Cryptography & Security Protocols; Formal Methods; Network Security.

**Admission Requirements:** The entry requirements for this programme is a 2:1 or higher in computer science or related discipline.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/2uYqEln>

**Application:**

**PAC Code: DC836**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above. Additional application information is posted on the course webpage.

**Study Location:** Dublin Institute of Technology

**Course Duration:** 14 months

**Course Outline:** This programme aims to produce graduates with the knowledge and skills to develop the complex software solutions that organizations need to compete in the emerging global digital economy. The target audience is those with an undergraduate qualification in computer science or software development. Students will study advanced technical modules in programming, design, databases, architecture and web development to acquire the advanced technical skills needed to practice as software developers working on leading edge development projects. In addition students will be equipped with key professional, technical communications skills needed to practice as a professional in the computing industry.

**Indicative Content:** Core - Probability & Statistical Inference; Machine Learning; & Database Design for Data Analytics; Data Management; Data Mining; Visualisation; Problem Solving, Communication and Innovation; Case Studies in Computing; Research Writing & Scientific Literature; Methods and Proposal Writing. Options – Geographic Information Systems; Spatial Databases; Ubiquitous Computing; Universal Design; Man and Machine; Bioinformatics; Programming for Big Data.

**Admission Requirements:** Minimum 2.1 honours degree (or 2.2 with at least 2 years of relevant work experience) in Computer Science, Mathematics or other suitably numerate discipline with computing as a significant component.

**IELTS:** Minimum 6.5 overall score required with no section less than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/2dMrYvy>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

<b>N11 MSc in Electronic and Communications Engineering</b>	<b>DIT</b>
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**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This programme aims to provide industry with engineers with a high level of in-depth knowledge and expertise in a selected range of advanced topics in Electronic and Communications Engineering. This course is delivered through lectures, practical work, assignments and tutorials.

**Indicative Content:** Core – Entrepreneurship for Engineers; Research Methods; Statistical and Knowledge Management; Dissertation. Options – VLSI Design; Wireless Systems; Advanced Digital Signal Processing; Microelectronic Materials and Devices; Optoelectronics; Energy Conversion & Use.

**Admission Requirements:** A minimum Second Class Honours Bachelor Degree (2.2 grade or higher) in Electronic, Computer or Communications Engineering or a related discipline. Applications from candidates with at least a second class honours degree in Applied Physics or other numerate degree, along with candidates with other 2.2 Honours Bachelor Degrees and suitable strong industrial experience may also be considered on a case-by-case basis

**Course Webpage:** [shortened as] <http://bit.ly/2dAxdSQ>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

<b>N12 MSc in Computing</b>	<b>GCD</b>
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**Study Location:** Griffith College Dublin

**Course Duration:** 1 year

**Course Outline:** The Master of Science has been designed to give students an insight into the world of academic and industrial computing research. Students will also develop the skills to carry out innovative work and will gain the ability to research and master technical issues, to analyse and present findings coherently, and to document their work in a professional manner.

**Indicative Content:** Algorithm Design and Analysis; Cloud Computing; Concurrent and Parallel Programming; Communication Security; Dissertation/Dissertation by Practice; Information Retrieval and Web Search; New and Emerging Technologies; Research Methods; Telecommunications and Network Services; Dissertation.

**Admission Requirements:** Candidates applying for this course should have a 2:2 honours degree in Computing Science, or a 2:2 Higher Diploma in Computing or related discipline or international equivalent and/or relevant work experience.

**Course Webpage:** [shortened as] <http://bit.ly/2xiSCoA>

**Application:** Apply via the course webpage.

**Study Location:** Griffith College Dublin

**Course Duration:** 1 year

**Course Outline:** Designed specifically to address a growing need in the industry, the MSc in Network and Information Security at Griffith College is a 1-year programme which aims to enable students to develop robust and efficient network security plans, strategies and solutions.

**Indicative Content:** Information and Network Security Technologies; Legal and Ethical Aspects of Information Security; IT Infrastructure Protection & Ethical Hacking; Cryptography; Computer Forensics; Managing Information Security; Telecommunication Networks and Services; Research Methods; Dissertation.

**Admission Requirements:** Candidates applying for this course should have a 2:2 honours degree in Computing Science.

**Course Webpage:** [shortened as] <http://bit.ly/2wp5KMw>

**Application:** Apply via the course webpage.

**Study Location:** Institute of Technology, Blanchardstown

**Course Duration:** 1 year

**Course Outline:** This programme will give you the skills and knowledge to secure personal data and allow graduates to work as security professionals in any of the business and industry sectors. This course focuses on developing hands-on skills backed by theoretical knowledge. An essential part of the master's degree is the creation of a body of work presented as a thesis which demonstrates ability in research methods, analytics and report writing. The graduates of this programme will be independent learners, good problem solvers and experienced researchers.

**Indicative Content:** Core – Digital Forensics; Secure Communication and Cryptography; Network Security; Research Skills and Ethics; Research Project. Options – Biometrics; Secure Programming; Application Security; Business Continuity and Cloud Security; Cyber Crime Malware; Security Intelligence.

**Admission Requirements:** Minimum Second Class Honours grade 2 (or equivalent) in a Bachelor of Science (Honours) in Computing level 8 or equivalent.

**Course Webpage:** <http://www.itb.ie/StudyatITB/bn528ft.html>

**Application:** Apply via application form, available at <http://www.itb.ie/StudentCategories/howtoapply.html>.

**Study Location:** Institute of Technology, Blanchardstown

**Course Duration:** 1 year

**Course Outline:** The aim of this programme is to contribute to meeting the skills needs for sustainable IoT deployment and expansion. Specifically, the programme will produce graduates with: Comprehensive qualifications in research and project management skills that can be directly applied in to high-end research, development and innovation to support engineering practice in the predicted future growth in IoT; Knowledge and competences for design, commissioning and maintenance of IoT systems and processes.

**Indicative Content:** Core – Embedded Systems; Information Transmission & Management; Software Engineering; Research Methods; Statistical Analysis for Engineers; IoT Systems; Secure Communication & Cryptography; Research Project. Options – Technology & Innovation Management; Geodata Provisions; Advanced Signal Processing; Network Security; Programming for Big Data.

**Admission Requirements:** Minimum 2:2 honours degree in Electronic Engineering, Electrical & Electronic Engineering, Computer Engineering, Mechatronic Engineering, and Computer Science, or cognate disciplines.

**Course Webpage:** <http://www.itb.ie/StudyatITB/bn528ft.html>

**Application:** Apply via application form, available at <http://www.itb.ie/StudentCategories/howtoapply.html>.

**Study Location:** Institute of Technology, Carlow

**Course Duration:** 1 year

**Course Outline:** The programme is designed to meet current industry needs and provides students with a thorough theoretical and practical grounding in the analysis and utilisation of large data sets, together with experience in conducting data science development projects, thereby preparing graduates for positions of responsibility in the Big Data and IT industries.

**Indicative Content:** Programming for Data Scientists; Data and Data Storage Technology; Statistics for Data Science; Research Methods; Infrastructure for Big Data; Data Analytics and Algorithms; Data Visualisation and Insight; Project/Dissertation.

**Admission Requirements:** An undergraduate degree with a minimum 2:2 or equivalent in computer science or mathematical sciences, or another area with a strong numerate content (e.g. engineering, finance, physics, biosciences or economics).

**Course Webpage:** [shortened as] <https://bit.ly/2vSH0dz>

**Application:** Apply directly to the International Office by emailing [noneuapply@itcarlow.ie](mailto:noneuapply@itcarlow.ie) with an *IT Carlow Non-EU Application Form*, which is available for download at <https://bit.ly/2vSovWB>.

**Study Location:** Maynooth University / Dublin City University

**Course Duration:** 1 year

**Course Outline:** This programme is designed for engineering professionals with a strong background in electronics and computer technologies, and will provide them with advanced education in medically relevant engineering technologies. The programme will provide them with the relevant concepts, methodological tools and knowledge of medical legal, ethical and regulatory frameworks. The modules on the programme are designed to provide expertise in two technical areas: firstly, the technology for designing new medical devices; and secondly, image and signal analysis to assist diagnosis and visualisation.

**Indicative Content:** Medical Sciences; Healthcare Ethics, Law, Risk Management and Regulatory Framework; 3D Interface Technologies; Medical Instrumentation; Connected Embedded Systems; Computer Vision; Wireless Communications; Advanced Control Systems; Project.

**Admission Requirements:** A minimum high 2:1 grade in Electronic Engineering, Computer Science or other cognate disciplines. Exceptions may be made for those with significant relevant work experience.

**Course Webpage:** [shortened as] <https://bit.ly/2PxfwLS>

**Application:**

**PAC Code: 3U02F**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** National College of Ireland

**Course Duration:** 1 year

**Course Outline:** The aim of this programme is to provide learners with essential expert technical knowledge, competence and research skills of the most important technical concepts of cybersecurity and how they are applied in emerging areas such as device security and forensics. The course is technical and practical in nature, uniquely embedded in industry, and develops in-depth expertise of core technical topics within the area of cybersecurity.

**Indicative Content:** Core – Secure Programming for Web; Security Fundamentals; IT Law and Ethics; Network Security and Penetration Testing; Research in Computing; Secure Programming for Application Development; Cryptography; Research Methods; Internship. Options – Forensics and eDiscovery; Cloud Security; Malware Analysis; Domain Context; Incident Response and Analysis.

**Admission Requirements:** Minimum of a 2:2 honours degree in computing or a cognate area. Candidates are expected to have programming ability. Cognate area means a STEM (Science, Technology, Engineering, and Mathematics) degree that also taught programming/application development related modules.

**Course Webpage:** [shortened as] <https://bit.ly/2OyYFxV>

**Application:** Download an application form from [www.ncirl.ie/International/How-to-Apply](http://www.ncirl.ie/International/How-to-Apply) and email to [admissions@ncirl.ie](mailto:admissions@ncirl.ie).

**Study Location:** National College of Ireland

**Course Duration:** 1 year

**Course Outline:** This course will provide you with the latest knowledge and competencies required by the fastest growing global industry: the cloud. Cloud computing has become a multi-billion euro industry and this course offers specialisations in two key areas: Infrastructure (IaaS - Infrastructure as a Service) and Development (SaaS - Software as a Service).

**Indicative Content:** Core – Cloud Architecture; Cloud Security; Utility Computing; Data Storage and Management; Research in Computing; Business Strategies for Cloud Computing; Research Methods. Options – Cloud Infrastructure Management; Cloud Application Development; Virtualisation; Programming for Data Analytics; Cloud Application Services; Industry Based Research Project; Research Project.

**Admission Requirements:** Minimum of a 2:2 honours degree in a cognate area.

**Course Webpage:** [shortened as] <https://bit.ly/2vMCai2>

**Application:** Download an application form from [www.ncirl.ie/International/How-to-Apply](http://www.ncirl.ie/International/How-to-Apply) and email to [admissions@ncirl.ie](mailto:admissions@ncirl.ie).

**Study Location:** NUI Galway

**Course Duration:** 1 year

**Course Outline:** A variety of sought-after technical skills are covered in this course, using leading-edge industry software. Students gain practical knowledge of business system analysis and design; project management; database design; applications development and the business context of IS development and management. The teaching approach places a strong emphasis on hands-on-skills and problem-based learning.

**Indicative Content:** Core – Web Design and Development; Interactive Systems Design; Business Data Communications; Systems Development and Project Management; Database Systems; Business Applications Programming; Information Systems Management; Information Systems Strategy and Innovation; Applied Systems Analysis; Project. Options – Information Systems Innovation; Information Systems Security and Ethics; Decision Systems and Business Analytics; Advanced Applications Programming.

**Admission Requirements:** Normally a Second Class Honours Bachelor's Degree (or equivalent). Successful applicants will come from a variety of academic and professional backgrounds with prior exposure to information technology and/or business.

**IELTS:** Minimum 6.5 overall score required with no section less than 5.5.

**Course Webpage:** [shortened as] <http://bit.ly/2bLE6jt>

**Application:**

**PAC Code: GYC24**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above

**N21 MSc in Computer Science (Future Networked Systems)****TCD****Study Location:** Trinity College Dublin**Course Duration:** 1 year

**Course Outline:** This programme deals with how things become smart and connected as software systems are more and more embedded in our everyday environments, from mobile social networking to managing city resources such as road traffic. Dealing with such large-scale, cyber-physical and distributed systems requires novel approaches that address timeliness, safety, privacy and scale challenges.

**Indicative Content:** Machine Learning; Research Methods; Innovation; Scalable Computing; Urban Computing; Security & Privacy; Advanced Software Engineering; Distributed Systems; Dissertation.

**Admission Requirements:** A 2:1 grade or higher from a reputable university in Computing or strongly related discipline. You need to be able to be fully competent in programming in C, C++ or Java.

**Course Webpage:** [shortened as] <http://bit.ly/2x5PqNS>

**Application:** Apply online via course webpage

**N22 MSc in Computer Science (Intelligent Systems)****TCD****Study Location:** Trinity College Dublin**Course Duration:** 1 year

**Course Outline:** This programme focuses on smart, interactive web applications and systems, which are becoming an integral part of our daily lives – at home, in the workplace, and in social interaction. Designing and building these systems requires expertise in artificial intelligence, human language understanding and generation, web systems and applications, data analytics and knowledge engineering.

**Indicative Content:** Machine Learning; Research Methods; Innovation; Artificial Intelligence; Knowledge & Data Engineering; Text Analytics; Information Retrieval & Web Search; Adaptive Applications; Advanced Software Engineering; Dissertation.

**Admission Requirements:** A 2:1 grade or higher from a reputable university in Computing or strongly related discipline. You need to be able to be fully competent in programming in C, C++ or Java.

**Course Webpage:** [shortened as] <http://bit.ly/2x5AK1b>

**Application:** Apply online via course webpage

**N23 MSc in Information Systems for Business Performance\*****UCC****Study Location:** University College Cork**Course Duration:** 1 year

**Course Outline:** This course aims at providing students with a coherent set of skills essential in building, managing, and leveraging an effective and efficient Information Systems (IS) capability for the modern organisation. This



means providing students with a clear understanding of how to manage information systems and leverage the potential of the latest Information Technologies (IT) to create value for the firm; reducing costs, solving organisational problems or providing better products and services to customers.

**Indicative Content:** Business Analysis Requirements, Skills and Techniques; IT Sourcing and Project; Data Analysis and Design; Storage Technology; Electronic Business Models & Systems; IS for Organisational Performance; Leveraging IT Seminar Series; Application Design; IT Governance and Compliance; Databases for Management Information Systems; Optimising the Business Value of IT; Business Models for Disruptive Technology; Enterprise Business Intelligence; Professional Practice Skills; Collaborative Industry Research Project.

**Admission Requirements:** A Second Class Honours degree or higher, except graduates from degrees with high levels of software development content (e.g. business information systems, computer science, etc.).

**IELTS:** Minimum 6.5 overall score required with no section lower than 5.5.

**Course Webpage:** [www.ucc.ie/en/ckl18](http://www.ucc.ie/en/ckl18)

**Application:**

**PAC Code: CKL18**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

## **N24 MSc in Computer Science (Interactive Media)\***

**UCC**

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** The broad aim of the course is to equip students from a wide range of backgrounds with a thorough understanding of the technology and industry-standard tools used in the digital media sector. On successful completion of the course, you will have a comprehensive knowledge of the underlying concepts, technologies and practices of interactive digital media and be able to apply these to create interactive digital media products.

**Indicative Content:** Core: Authoring; Web Development for Digital Media; Audio and Sound Engineering; Digital Video Capture and Packaging; 3D Graphics and Modelling; Dissertation. Options: Future and Emerging Interaction Technologies; Internet-based Applications; Digital Video Compression and Delivery; Human Computer Interaction; Mobile Multimedia; Audio Processing.

**Admission Requirements:** Graduates of any discipline who have achieved at least a 2:2 Honours degree, or equivalent professional qualification, provided there is no significant overlap between their previous courses of study and the content of this course.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [www.ucc.ie/en/ckr05](http://www.ucc.ie/en/ckr05)

**Application:**

**PAC Code: CKR05**

Apply online via The Postgraduate Applications Centre (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code shown above.

**Study Location:** University College Cork

**Course Duration:** 1 year

**Course Outline:** This MSc programme will provide you with the skills required to understand the entrepreneurship and innovation required for the software industry. Many national and multinational companies employ computer science graduates in areas such as software development and engineering, artificial intelligence, systems and networks, database and systems security as well as mobile multimedia, modelling, research and development. You will also get the chance to demonstrate the skills you have learned by completing a substantial research and development project.

**Indicative Content:** Core – Case Studies in Computing Entrepreneurship; Large-Scale Application Development and Integration; Database Technology; Information Storage and Retrieval; Project Development Skills; Dissertation in Computing Science. Options - Mobile Devices and Systems; Mobile Applications Design; Formal Methods for Distributed Systems; Model-Based Software Development; Optimisation; Services and Mobile Middleware; Multimedia Technology in Mobile Networks; Analysis of Networks and Complex Systems; Network Security; Data Mining.

**Admission Requirements:** Second class honours (2.2 grade) or higher degree in Computer Science or a closely related discipline. Applications from other suitably qualified candidate, or from those with equivalent experience/qualifications, will be considered.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** <http://www.ucc.ie/en/ckr40/>

**Application:**

**PAC Code: CKR40**

Apply online via The Postgraduate Applications Centre – (PAC) – [www.pac.ie](http://www.pac.ie) – using the PAC application code above.

**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** Health informatics is a multi-disciplinary, multi-dimensional field. This field focuses on the creation, modelling, management and sharing of health data and knowledge to support data analysis and timely decision making in medicine and health care together with the information science and technology to support these tasks. It is not solely a technical discipline but focuses on the relationship between the technology and its use in real-world settings i.e. solutions are designed in context, taking into account the social, cultural and organisational settings in which computing and information technology will be used in health care sectors.

**Indicative Content:** Health Informatics Applications; Electronic Health Record Management; Research Methods in Health Informatics; Medical Decision Support Systems; Requirements Engineering for Health Informatics; Health Informatics Project Management; Strategic Issues in Health Informatics; E-Health Systems; ICT for Evidence-Based Health Care; Research Project; Health Informatics Dissertation.

**Admission Requirements:** (i) A Health Care Administrator/Clerical Officer, Health Care Manager or Health Care Professional who holds a primary undergraduate degree (2.2 honours or higher), or (ii) an applicant who holds a

primary undergraduate degree (2.2 honours or higher) in a health sciences discipline, or (iii) an IT specialist who holds a primary undergraduate degree (2.2 honours or higher) with experience of working in a health care setting, or (iv) an applicant with at least 5 years relevant work experience who can satisfy the course admission team that he/she has the ability to complete and benefit from this course.

**IELTS:** Minimum 6.5 overall score required with no section lower than 6.0.

**Course Webpage:** [shortened as] <https://bit.ly/2Q7emhj>

**Application:** Apply online via course webpage.

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**Tourism**

**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 year

**Course Outline:** The programme is aimed at both professionals currently employed within the tourism industry and those from complementary backgrounds who wish to enter the tourism field. In this context it may be of particular interest to people coming from a heritage, languages, geography, marketing or business background. This programme aims to equip participants with the necessary expertise to manage, co-ordinate and develop tourism businesses and projects in Ireland and abroad. It is aimed at both professionals currently employed within the tourism industry and those from related fields. This dynamic programme encourages interaction between academics and industry practitioners from the national and international tourism sector.

**Indicative Content:** International Tourism Trends, Markets & Products; Tourism Destination Planning & Management; Managerial Finance & Entrepreneurialism; The Effective Manager; Emerging Industry Issues; Strategic Marketing & Digital Commerce; Dissertation (including Research Methods).

**Admission Requirements:** Second class honours degree (2:2 grade) or higher in any discipline.

**Course Webpage:** [shortened as] <http://bit.ly/2dgF8zW>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

**Study Location:** Dublin Institute of Technology

**Course Duration:** 1 year

**Course Outline:** This globally recognised hospitality programme is one of DIT's most sought after programmes. It is the first and only programme of its kind in the Republic of Ireland and provides participants with a top-level educational package that is delivered by leading academics and experts from the national and international hospitality sector. The programme covers all aspects of the hospitality industry with a business based curriculum that is designed to equip participants with the management skills and analytic capabilities necessary to obtain careers in a wide range of organisational settings.

**Indicative Content:** International Hospitality Operations Management; Strategic Revenue Management Solutions; Managerial Finance & Entrepreneurialism; The Effective Manager; Emerging Industry Issues; Strategic Marketing & Digital Commerce; Dissertation (including Research Methods).

**Admission Requirements:** Second class honours degree (2:2 grade) or higher in any discipline.

**Course Webpage:** [shortened as] <http://bit.ly/2dMzHc7>

**Application:** Apply via the 'Non-EU Sept Intake' button on the course webpage.

**Study Location:** University of Limerick

**Course Duration:** 1 year

**Course Outline:** This programme is geared to provide students with an understanding of the international tourism industry and an appreciation of the key issues affecting its continued development. It also presents an opportunity to gain insights into the marketing and management issues impacting on the sector. Students are also presented with opportunities to update their language and IT skills, their communication and presentation skills, and to interact with tourism industry practitioners and visiting international faculty. Research skills are developed through dedicated methodology modules leading to the completion of a dissertation on a chosen topic in tourism. An innovative and integral part of this course is an international field trip which all students undertake.

**Indicative Content:** Tourism Principle and Practice; Economics of Tourism; Tourism Services Marketing; Tourism Enterprises; Research Methods; Economic Appraisal and Evaluation Techniques; Strategic Marketing for Tourism; International Tourism Trends; Tourism Planning and Development; Thesis.

**Admission Requirements:** Good honours (minimum 2.2) primary degree from a variety of disciplines including Economics, Geography, Sociology, Business Studies, Hotel Management, Languages, History, Anthropology, Marketing and others.

**IELTS:** Minimum 6.5 overall score required with no individual section lower than 6.0.

**Course Webpage:** [shortened as] <http://bit.ly/UJx6Gw>

**Application:** Apply online via the course webpage.