Oifig Ionadaí na hÉireann sa Phalaistín
Representative Office of Ireland in Palestine

مكتب تمثيل أيرلندا في فلسطين

Ireland-Palestine Scholarship Programme

**Directory of Postgraduate Courses eligible for
Scholarship Awards 2019
(for 2019-2020 Entry)**

Compiled by:

ICOS
Irish Council for International Students

Important Information for Ireland-Palestine Scholarship Programme Applicants

About This Directory

This directory should be read alongside the introductory notes to the Ireland-Palestine Scholarship Programme (IPSP) application form. These notes explain the scholarship application process and you are advised to study them carefully.

On your application form, you are required to identify the *specific* postgraduate course(s) you are interested in undertaking, based on the information in this directory <u>and</u> 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).

Information on making a course application will be provided to shortlisted candidates in April 2019. **Scholarship applicants are advised not to apply for any courses in Ireland without confirmation of shortlisting.** Please note that application fees will be paid for *shortlisted candidates only*. Reimbursements will not be made where a shortlisted candidate applies for an Irish course before being formally approved to do so.

ABBREVIATED WEB ADDRESSES

Throughout the listings, many long web addresses for course information have been shortened, for example: 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.

ENGLISH LANGUAGE PROFICIENCY

To fulfil IPSP Scholarship requirements, **all candidates for study in Ireland** will be required to submit with their IPSP application an English language proficiency score report with a minimum score of 6.5 on IELTS, or 550 on Institutional Testing Program (ITP), or 80 on Internet-based TOEFL (iBT). Following submission of the application forms, shortlisted candidates will be called to an interview and an IELTS language exam. 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 will be covered by the Ireland-Palestine Scholarship Programme.

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 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.**

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 IPSP on behalf of Irish Aid.

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

AIT	**Athlone Institute of Technology**	Athlone	www.ait.ie
CIT	**Cork Institute of Technology**	Cork	www.cit.ie
DBS	**Dublin Business School**	Dublin	www.dbs.ie
DCU	**Dublin City University**	Dublin	www.dcu.ie
TUD	**Technological University of Dublin**	Dublin	www.tudublin.ie
GCD	**Griffith College Dublin**	Dublin	www.gcd.ie
ITB	**TUD Blanchardstown**	Dublin	www.itb.ie
ITC	**Institute of Technology, Carlow**	Carlow	www.itcarlow.ie
ITS	**Institute of Technology, Sligo**	Sligo	www.itsligo.ie
LIT	**Limerick Institute of Technology**	Limerick	www.lit.ie
MIC	**Mary Immaculate College**	Limerick	www.mic.ie
MU	**Maynooth University**	near Dublin	www.maynoothuniversity.ie
NCI	**National College of Ireland**	Dublin	www.ncirl.ie
NUIG	**National University of Ireland, Galway**	Galway	www.nuigalway.ie
TCD	**Trinity College Dublin**	Dublin	www.tcd.ie
UCC	**University College Cork**	Cork	www.ucc.ie
UCD	**University College Dublin**	Dublin	www.ucd.ie
UCDMS	**UCD Michael Smurfit Business School**	Dublin	www.smurfitschool.ie
UL	**University of Limerick**	Limerick	www.ul.ie

(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 p4)

Rough guide to the grading system in Ireland

This is a rough guide to how the grading system in Ireland might compare to the grade/GPA system at Palestinian universities.

Verbal Grade	% Grade in Ireland	Equivalent Local Grade	Equivalent Local GPA
First Class Honours (1st)	70% or above	90% - 100%	3.5 - 4.0
Second Class Honours, Grade 1 (2:1)	60% or above	78% - 89%	3.0 - 3.49
Second Class Honours, Grade 2 (2:2)	50% or above	70% - 77%	2.5 - 2.99
Third Class Honours (3rd)	45% or above	65% - 69%	2.0 - 2.49
Pass	40% or above	60% - 64%	2.0
Fail	Less than 40%	0% - 59%	Less than 2.0

Note: These are suggested equivalents only.

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Courses marked with an asterisk (*) are courses which are known 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 are known from experience to be highly competitive and/or only accept very high-achieving applicants.

C5	MSc in Bioprocessing Science	ITS
C6	MSc in Biomedical Science*	NUIG
C7	MSc in Biomedical Engineering*	NUIG
C8	MSc in Biotechnology*	NUIG
C9	MSc in Neuropharmacology*	NUIG
C10	MSc in Pharmaceutical Sciences	TCD
C11	MSc in Immunology	TCD
C12	MSc in Bioengineering – General Stream	TCD
C13	MSc in Bioengineering – Tissue Engineering Stream	TCD
C14	MSc in Bioengineering – Medical Device Specialisation Stream	TCD
C15	MSc in Chemistry – Analysis of Pharmaceutical Compounds*	UCC
C16	MSc in Biotechnology*	UCC

See also:

D4	MSc in Immunology and Global Health	MU
M18	MSc in Pharmaceutical Business and Technology	GCD
M19	MSc in International Pharmaceutical Business Management	GCD

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

D1	MSc in Nursing in Leadership and Quality Healthcare*	AIT
D2	MSc in Psychology and Well-Being*	DCU
D3	MSc in Diagnostics and Precision Medicine*	DCU
D4	MSc in Immunology and Global Health	MU
D5	MSc in Health Psychology*	NUIG
D6	MSc in Health Economics*	NUIG
D7	MSc in Global Health	TCD
D8	MSc in Healthcare Infection Management	TCD
D9	MSc in Community Health	TCD
D10	Master of Public Health (MPH)*	UCC
D11	Master of Public Health (MPH)*	UCD
D12	MSc in Advanced Healthcare Practice*	UL
D13	MSc in Nursing Studies*	UL

See also:

N28	MEng in Digital Health and Medical Technologies	MU
N42	MSc in Health Informatics*	UL
O13	MSc in Occupational Safety and Health*	UCD

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

E1	MSc in International Security and Conflict Studies*	DCU
E2	MA in Refugee Integration*	DCU
E3	MSc in Sustainable Development	TUD
E4	MSc in Local Development and Innovation	TUD
E5	MA in International Development	MU
E6	MA in International Peace Building, Security and Development Practice	MU

E7	MA in Environment, Society and Development*	NUIG
E8	MPhil in International Peace Studies	TCD
E9	MPhil in Race, Ethnicity and Conflict	TCD
E10	MSc in International Development*	UCD
E11	MA in International Development*	UCD
E12	MSc in Humanitarian Action*	UCD
E13	MSocSc in Crime, Violence and Conflict*	UCD
E14	MA in Peace and Development Studies*	UL

See also:

G2	MSc in Climate Change: Policy, Media and Society*	DCU
G5	MA in Public Advocacy and Activism*	NUIG
G12	MSc in Demographic and Population Analytics*	UCD

| **F** | **Education** | |

F1	MA in Leadership in Early Years Education and Care	ITC
F2	Master of Education	MIC
F3	MEd in Adult and Community Education	MU
F4	Master of Education	MU
F5	Master in Education – Foundation Studies	TCD
F6	MA in Education*	UCD

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

G1	MA in Child and Youth Studies*	AIT
G2	MSc in Climate Change: Policy, Media and Society*	DCU
G3	MA in Child, Family and Community Studies*	TUD
G4	MA Child, Youth and Family Studies	ITC
G5	MA in Public Advocacy and Activism*	NUIG
G6	MSc in Applied Social Research	TCD
G7	MSc in Disability Studies	TCD
G8	MSc in Comparative Social Change	TCD/UCD
G9	MSocSc in Social Policy*	UCC
G10	MSocSc in Sociology*	UCD
G11	MSc in Children and Youth Studies*	UCD
G12	MSc in Demographic and Population Analytics*	UCD
G13	MA in Sociology (Applied Social Research)*	UL

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

H1	MA in Gender, Globalisation and Rights*	NUIG
H2	MSc in Gender and Women's Studies	TCD
H3	MA in Women's Studies*	UCC
H4	MA in Gender Studies*	UCD
H5	MSc in Equality Studies*	UCD

| H6 | MA in Gender, Culture and Society* | UL |

I1	Master of Laws (LLM)*	DCU
I2	LLM (Global Legal Rights)	MU
I3	LLM (International Business Law)	MU
I4	LLM (International Justice)	MU
I5	MA in Comparative Criminology and Criminal Justice	MU
I6	LLM in International Criminal Law*	NUIG
I7	LLM in Peace Operations, Humanitarian Law and Conflict*	NUIG
I8	LLM in International Human Rights*	NUIG
I9	LLM in International and Comparative Disability Law*	NUIG
I10	LLM in International and Comparative Law	TCD
I11	LLM in International and European Business Law	TCD
I12	LLM Laws	TCD
I13	LLM (International Human Rights and Public Policy)*	UCC
I14	LLM (Environmental and Natural Resources Law)*	UCC
I15	LLM (Marine and Maritime Law)*	UCC
I16	MSc in Human Rights*	UCD
I17	LLM in International Human Rights*	UCD
I18	LLM General*	UCD
I19	LLM/MA in Human Rights in Criminal Justice*	UL
I20	LLM in International Commercial Law*	UL

J   **International Relations, Politics, Government, Ethics**

J1	MSc in Public Policy*	DCU
J2	MA in International Relations*	DCU
J3	MA in Philosophy, Politics and Economics	MU
J4	MA in Ethics, Culture and Global Change*	NUIG
J5	MSc in International Politics	TCD
J6	MPhil in International History	TCD
J7	MSc in International Public Policy and Diplomacy*	UCC
J8	MA in International Relations*	UCC
J9	MSc in Government and Politics*	UCC
J10	MSc in International Relations*	UCD
J11	MA in Politics*	UCD
J12	MSc in Politics*	UCD
J13	MA in International Studies*	UL
J14	MA in Politics*	UL

See also:

G2	MSc in Climate Change: Policy, Media and Society*	DCU
G5	MA in Public Advocacy and Activism*	NUIG
G12	MSc in Demographic and Population Analytics*	UCD

K   Engineering, Hydrology, Sustainable Technology

K1	MEng in Civil Engineering (Environment and Energy)	CIT
K2	MEng in Mechanical and Manufacturing Engineering*	DCU
K3	MSc in Energy Management*	TUD
K4	ME in Sustainable Infrastructure	TUD
K5	ME in Sustainable Electrical Energy Systems	TUD
K6	ME in Mechanical Engineering	TUD
K7	MSc in Electronic and Communications Engineering	TUD
K8	MSc in Quantity Surveying	LIT
K9	Master of Civil Engineering*	NUIG
K10	ME in Energy Systems Engineering*	NUIG
K11	MSc in Water Resources Engineering*	NUIG
K12	MSc in Energy Science	TCD
K13	MSc in Mechanical Engineering	TCD
K14	MSc in Environmental Engineering	TCD
K15	MSc in Structural and Geotechnical Engineering	TCD
K16	MSc in Sustainable Energy	TCD
K17	MSc in Transport Engineering, Policy & Planning	TCD
K18	MEngSc in Sustainable Energy*	UCC
K19	MEngSc in Electrical & Electronic Engineering*	UCC
K20	MEngSc Structural Engineering*	UCD
K21	MSc in Environmental Technology*	UCD
K22	MEngSc in Water Waste and Environmental Engineering*	UCD
K23	MSc in Mathematical Modelling*	UL
K24	MSc in Advanced Engineering Materials*	UL

See also:

C2	MSc in Bioprocess Engineering*	DCU
C7	MSc in Biomedical Engineering*	NUIG
C12	MSc in Bioengineering – General Stream	TCD
C13	MSc in Bioengineering – Tissue Engineering Stream	TCD
C14	MSc in Bioengineering – Medical Device Specialisation Stream	TCD
N28	MEng in Digital Health and Medical Technologies	MU/DCU
N37	MSc in Electronic Information Engineering	TCD

L   Economics, Finance and Accounting

L1	MA in Accounting*	AIT
L2	MSc in International Accounting & Finance	DBS
L3	MSc in Finance*	DCU
L4	MBS in International Accounting	TUD
L5	MSc in Accounting and Finance Management	GCD
L6	MSc in Economics and Financial Risk Analysis*	MU
L7	MSc in Finance	NCI
L8	MSc in FinTech	NCI
L9	MEconSc in Natural Resource Economics and Policy*	NUIG
L10	MSc in Economics*	TCD

L11	MSc in Finance*	TCD
L12	MSc in Financial Risk Management*	TCD
L13	MSc in Economic and Enterprise Development*	UCC
L14	MSc in Financial (Banking and Risk Management)*	UCC
L15	MSc in Business Economics*	UCC
L16	MSc in Applied Economics*	UCD
L17	<u>MSc in Finance*</u>	UCDMS
L18	<u>Master of Accounting*</u>	UCDMS
L19	MSc in Renewable Energy & Environmental Finance*	UCDMS
L20	MSc in Strategic Management Accounting*	UCDMS
L21	MSc in Economic and Policy Analysis*	UL

See also:

| D6 | MSc in Health Economics | NUIG |

M	**Management and Business**	

M1	Master of Business*	AIT
M2	MA in Human Resource Management	CIT
M3	MSc in International Business	CIT
M4	MA in Global Business Practice	CIT
M5	MSc in Digital Marketing	DBS
M6	MSc in Marketing	DBS
M7	MSc in Marketing – Digital Media	DBS
M8	MSc in Management Practice	DBS
M9	MSc in Human Resource Management*	DCU
M10	MSc in Management (Business)*	DCU
M11	MSc in Strategic Management	TUD
M12	MSc in Supply Chain Management	TUD
M13	MSc in Pharmaceutical Business and Technology	GCD
M14	MSc in International Pharmaceutical Business Management	GCD
M15	MSc in Digital Marketing	ITC
M16	MSc in Supply Chain Management	ITC
M17	MSc in Information Technology Management	ITC
M18	Master of Business	ITC
M19	Master of Business in Marketing & Management Strategy	LIT
M20	MSc in Business Management*	MU
M21	MSc in Strategy and Innovation*	MU
M22	MSc in Management	NCI
M23	MSc in International Business	NCI
M24	MSc in Human Resource Management*	NUIG
M25	MSc in Management*	TCD
M26	MSc in International Management*	TCD
M27	MSc in Human Resource Management*	TCD
M28	MSc in Business Information and Analytics Systems*	UCC
M29	MSc in Digital Innovation*	UCDMS
M30	MSc in Digital Marketing*	UCDMS
M31	MSc in Business Analytics*	UCDMS
M32	MSc in Food Business Strategy*	UCDMS
M33	MSc in Management*	UCDMS

M34	MSc in Marketing Practice*	UCDMS
M35	MSc in International Business*	UCDMS
M36	MSc in Marketing*	UCDMS
M37	MSc in Management Consultancy*	UCDMS
M38	MSc in Project Management*	UCDMS
M39	MSc in Strategic Management & Planning*	UCDMS
M40	MSc in Supply Chain Management*	UCDMS
M41	MSc in Project Management*	UL
M42	MA in Business Management*	UL

See also:

A9	MSc in Co-operatives, Agri-Food and Sustainable Development*	UCC
L5	MSc in Accounting and Finance Management	GCD
L15	MSc in Business Economics*	UCC
L20	MSc in Strategic Management Accounting*	UCDMS
N26	MSc in IT-Enabled Innovation*	MU
N38	MSc in Information Systems for Business Performance*	UCC

N   Information and Communication 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 Data Science and Analytics	CIT
N6	MSc in Information Systems with Computing	DBS
N7	MSc in Computing (Data Analytics)	DCU
N8	MSc in Computing (Cloud Computing)	DCU
N9	MSc in Computing (Software Engineering)	DCU
N10	MSc in Computing (Security and Forensic Computing)	DCU
N11	MEng in Electronic and Computer Engineering (General Award)*	DCU
N12	MEng in Electronic and Computer Engineering (Nanotechnology)*	DCU
N13	MEng in Electronic and Computer Engineering (Advanced Data Networks)*	DCU
N14	MEng in Electronic and Computer Engineering (Internet of Things)*	DCU
N15	MEng in Electronic and Computer Engineering (Processing & Analysis)*	DCU
N16	MSc in Computing (Data Analytics)*	TUD
N17	MSc in Computing (Advanced Software Development)*	TUD
N18	MSc in Electronic and Communications Engineering	TUD
N19	MSc in Computing	GCD
N20	MSc in Applied Digital Media	GCD
N21	MSc in Big Data Management and Analytics	GCD
N22	MSc in Network and Information Security	GCD
N23	MSc in Computing (Applied Cyber Security)	ITB
N24	MEng in Internet of Things Technologies	ITB
N25	MSc in Data Science	ITC
N26	MSc in IT-Enabled Innovation*	MU
N27	MSc in Computer Science (Software Engineering)	MU
N28	MEng in Digital Health and Medical Technologies	MU/DCU
N29	MSc in Cyber Security	NCI
N30	MSc in Cloud Computing	NCI

N31	MSc in Data Analytics	NCI
N32	MSc in Information Systems Management*	NUIG
N33	MSc in Computer Science (Data Science)	TCD
N34	MSc in Computer Science (Future Networked Systems)	TCD
N35	MSc in Computer Science (Intelligent Systems)	TCD
N36	MSc in Computer Science (Augmented and Virtual Reality)	TCD
N37	MSc in Electronic Information Engineering	TCD
N38	MSc in Information Systems for Business Performance*	UCC
N39	MSc in Computer Science (Interactive Media)*	UCC
N40	MSc in Data Science and Analytics*	UCC
N41	MSc in Computing Science*	UCC
N42	MSc in Health Informatics*	UL

See also:

K19	MEngSc in Electrical & Electronic Engineering*	UCC
L8	MSc in FinTech	NCI
M5	MSc in Digital Marketing	DBS
M7	MSc in Marketing – Digital Media	DBS
M15	MSc in Digital Marketing	ITC
M17	MSc in Information Technology Management	ITC
M29	MSc in Digital Innovation*	UCDMS
M30	MSc in Digital Marketing*	UCDMS
O10	MSc in Interactive Digital Media	TCD
O11	MSc in Digital Humanities and Culture	TCD

O	**Other Courses**	

O1	MA in Public Relations and New Media	CIT
O2	MA in Journalism and Digital Content Creation	CIT
O3	MSc in Information & Library Management	DBS
O4	MSc in Tourism Management	TUD
O5	MSc in Hospitality Management	TUD
O6	MA in Creative Practice	GMIT
O7	MA in Interaction Design	ITC
O8	MA in Social Practice in the Creative Environment	LIT
O9	MA in Mediation and Conflict Intervention	MU
O10	MSc in Interactive Digital Media	TCD
O11	MSc in Digital Humanities and Culture	TCD
O12	MPhil in Public History and Cultural Heritage	TCD
O13	MSc in Occupational Safety and Health*	UCD
O14	MA/MSc in Interactive Media*	UL
O15	MA in International Tourism*	UL
O16	MSc in Applied Physics*	UL

A

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

A1   MSc in Applied Marine Conservation   GMIT

Study Location: Galway-Mayo Institute of Technology

Course Duration: 1 year

Course Outline: This one year MSc degree focuses on core and specialist competences in key themes of fisheries, marine conservation; sustainability and ecosystem based management.

Indicative Content: Core – Ecology of Top Predators in Marine Systems; Secondary Impacts of Harvest on Wild Populations and Ecosystems; Applied Geographic Information Systems; Data Analysis Using R and R Studio; Thesis. Options – Seabird and Marine Mammal Population Assessment techniques; Acoustic Monitoring as a Marine Conservation Tool; Stakeholder engagement; Life History Strategies and Trade-Offs.

Admission Requirements: The minimum requirement is a 2:2 in a cognate Honours Degree, e.g. Zoology, Ecology, Marine Biology, Wildlife Management, Conservation Biology.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] http://bit.ly/2xkKLdu

Application: Contact international@gmit.ie for an application form.

A2   MSc in Geocomputation   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: aims to provide a sound theoretical and practical foundation in geocomputation for numerate graduates with suitable backgrounds in subjects such as mathematics, engineering, geography, computer science, geomatics, and mining, and professionals working in cognate disciplines. The programme will provide students with a sound understanding of the theoretical principles underlying geocomputation. Students will gain a sound understanding of the practical aspects of Geographical Information System software and management.

Indicative Content: Structured Programming; Spatial Databases; Theoretical Remote Sensing; Geographic Information Science in Practise; Introduction to Geocomputation; Advanced Topics in Geocomputation; Object-Oriented Programming; Methods & Techniques in Geocomputation; Dissertation.

Admission Requirements: A minimum 2.1 honours degree or equivalent in a cognate discipline. Cognate disciplines include, but are not limited to: geography, computer science, geomatics, mining, engineering, mathematics. Applicants must have a recognised primary degree which is considered equivalent to Irish university primary degree level.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2v7zpo7

Application: **PAC Code: MH50B**

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

A3   MSc in Geographical Information Systems & Remote Sensing   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This programme aims to provide highly qualified, motivated graduates who have been trained in Geographical Information Systems, Remote Sensing and Digital Image Processing and who can apply the information technology skills they obtain; to produce marketable graduates who will make significant contributions to GIS and RS application areas including; industry, government, academia, the community and voluntary sector and other public and private bodies; to provide an understanding of Geographical Information Systems and Remote Sensing, the technology involved and its applications for specific investigations.

Indicative Content: Introduction to Geographical Information Systems and Science; Theoretical Remote Sensing; Structured Programming; Spatial Databases; Analysing Spatial and Temporal Data using R; Digital Image Processing & Advanced Remote Sensing; Work Placement; Geographical Information Science in Practice.

Admission Requirements: The basic entry requirement is a degree with a minimum of Second Class Honours (2:1) or equivalent in any of the following subjects: Geography, Planning; Physics; Computer Science; Environmental Science; Geology; Mathematics; Engineering; Geophysics; Public Administration; Public Health or a cognate discipline.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2uOy7Da

Application: **PAC Code: MHN58**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

A4   MSc in Climate Change   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This programme aims to provide Graduates with the knowledge, skills and experience necessary to enable them to undertake analysis of both global and Irish related climate change science, impacts and policies. The programme explores ways of meeting the challenges posed by climate change, particularly in the areas of simulating future climates, impacts modelling, developing mitigation and adaptation strategies and decision making under uncertainty.

Indicative Content: Applied Climate Sciences; Impacts, Adaptation and Mitigation; Analysing Spatial and Temporal Data Using *R*; Detection, Attribution and Decision Making; The Ocean and Climate Change; Field Course; Thesis.

Admission Requirements: A minimum of Second Class Honours, Grade One (2.1) in any of the following subjects or cognate disciplines: Geography, Physics, Computer Science, Environmental Science, Engineering, Mathematics.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2IjULdE

Application: **PAC Code: MHN56**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

A5	MSc in Climate Change, Agriculture and Food Security*	NUIG

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

Application: **PAC Code: GYS00**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

A6	MSc in Environmental Leadership*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: The MSc in Environmental Leadership will equip graduates with an advanced level of knowledge and problem-solving, management and communication skills in key areas relevant to the environment, marine and energy sectors. It will equip them with a capacity and capability for environmental leadership relevant to their career trajectory.

Indicative Content: Core – Environmental Problems & Solutions; Project Management; Natural Resource Governance; Research Methods 1 and 2; Communication Science & Research; Introduction to Statistics and Data Analysis; Research Project. Options – Conceptualising Environment Society & Development; Environment &

Human Health; Environmental Impact Assessment; Marine Spatial Planning & Policy; Introduction to Practical GIS; Introduction to Oceanographic and Environmental Data Analysis; Climate Change & Biodiversity.

Admission Requirements: Minimum 2:2 primary degree or it equivalent in an appropriate discipline, including Science, Geography and Social Science.

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

Course Webpage: [shortened as] http://bit.ly/2w8g8rr

Application: **PAC Code: GYS33**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

A7	MSc in Environmental Science	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The overall aim of the course is to promote students understanding of environmental science, and their capability to apply that knowledge to current environmental issues. Students should develop the necessary intellectual skills and the practical expertise to enable them design and execute high quality independent research and become skilled environmental communicators.

Indicative Content: Introduction to environmental science; Environmental and chemical analysis; Hydrology and Groundwater quality; Earth system science I: Deep time; Earth system science II: Environmental and climate change; Environmental policies. Practical skills modules: Data handling and analysis; Practical environmental skills. Project Modules: Individual desk study; Project planning; Individual research project.

Admission Requirements: First or upper second class honours degrees, or their overseas equivalent, awarded by recognised universities, institutions and degree awarding bodies; or holders of other degrees or relevant qualifications including professional qualifications, who have at least three years' work experience in an environmental profession.

IELTS: Minimum 6.5 overall score required.

Course Webpage: https://naturalscience.tcd.ie/postgraduate/msc-envirsci/

Application: Apply online via the course webpage.

A8	MSc in Applied Coastal and Marine Management*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The programme focuses on the science (including the social sciences) of Coastal and Marine management and policy-making today. It is designed to give students professional competency to make sound, scientifically-informed, strategic and operational decisions regarding the sustainable governance, use and protection of coastal and marine environments. It also provides training in applied practical skills, with an

emphasis on geospatial techniques relevant to coastal and marine data capture, analysis, integration and visualisation. Students will also receive training in important transferrable skills including principles and practice of scientific research, effective communication and presentation techniques, and sound project management

Indicative Content: Marine Ecology and Conservation; Introduction to Geographical Information Systems; Introduction to Remote Sensing; Coastal and Marine Resource Use Practices; Coastal and Marine Governance; Coastal and Marine Processes; Practical Offshore Geological Exploration; Research Dissertation.

Admission Requirements: A primary degree to upper second class honours level (2:1 grade) or higher from a recognised third-level institution in Geography, Geology, Environmental Sciences, Biology, Oceanography, Physics, Mathematics, Engineering or a related discipline. Applications will also be considered from graduates in other disciplines, including those in the Arts and Social Sciences, who have a demonstrable interest and/or experience in coastal and marine management, and who can offer sufficient numerical abilities. Applicants with a degree of at least lower second class honours (2:2 grade), or its equivalent, in one of the areas mentioned above, plus at least five years of work experience relevant to the field of applied coastal and marine management will also be considered.

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

Course Webpage: https://www.ucc.ie/en/cke39/

Application: **PAC Code: CKE39**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

A9	MSc in Co-operatives, Agri-Food and Sustainable Development*	UCC

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: **PAC Code: CKL03**

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

A10   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.

A11   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

Application: Apply online from course webpage.

A12	MSc in Environmental Science*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programme provides graduates with a thorough knowledge of Environmental Science and there is a heavy emphasis on practical training in fieldwork, laboratory analyses, information sourcing, data analysis, planning, reporting and communication. A work placement in an agency servicing the environmental sector is undertaken during the third semester obtaining industry relevant skills.

Indicative Content: Core – Soil Ecology; Quantitative Tools for the Life Sciences; Introduction to Water Resource Engineering; Freshwater Resources Assessment; Global Change Ecology; Thesis; Vegetation Ecology; G.I.S.; Environmental Geology. Options – Wildlife Conservation; Remote Sensing; Waste Management; Water Waste and Environmental Modelling; Integrated Municipal Solid Waste; Marine Community Ecology; Environmental Impact Assessment; Ecotoxicology and Air Quality; Ecological Modelling; Analyses for Environmental Investigations; Field-Based Freshwater Fisheries Investigations.

Admission Requirements: This programme is intended for applicants with a primary degree in Science, Engineering, Geography, Architecture or a related subject. An upper second class honours, or international equivalent is required.

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

Course Webpage: [shortened as] www.bit.ly/2c1YgQN

Application: Apply online from course webpage.

A13	MSc in World Heritage Management and Conservation*	UCD

Study Location: University College Dublin

Course Duration: 16 months

Course Outline: The UCD Masters Programme in World Heritage Management provides graduates with a thorough knowledge of the World Heritage Convention and its application in solving heritage conservation problems. The programme is designed to accommodate applicants with a variety of academic qualifications including Archaeology, Architecture, Geography, Biology, Arts, Agriculture, Engineering and Economics. *Please note that the standard two year MSc will be adapted as a 16 month programme for IPSP Scholarship recipients.

Indicative Content: Core – Communicating Heritage; Research Project Skills; Cultural Heritage; International Strategies and the World Heritage Convention; Heritage Marketing, Market Research & Management; World Heritage and Sustainable Development; Conflict Resolution & Conservation; Dissertation. Options – Archaeology & WHM in Ireland; Irish Archaeological Landscapes; Ireland Landscapes: Future Views; Conservation Biology;

Global Biodiversity and Heritage; Climate Change & the Environment; Remote Sensing; Historical Landscapes; Creative Thinking & Innovation.

Admission Requirements: A minimum of a lower second class honours degree or the international equivalent. Applicants with diverse academic backgrounds including Archaeology, Architecture, Geography, Biology, Arts, Agriculture, Engineering and Economics will be considered.

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

Course Webpage: [shortened as] www.bit.ly/2c3BVaw

Application: Apply online from course webpage.

A14 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**

B1   MSc in Food Science*   **UCC**

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 Saftey.

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 – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

B2   MSc in Food Microbiology*   **UCC**

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 – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

C

Pharmacy and Biotechnology

C1	MSc in Biopharmaceutical Technology*	AIT

Study Location: Athlone Institute of Technology

Course Duration: 1 year

Course Outline: The programme was conceived in response to significant job opportunities within Ireland's large and expanding biopharmaceutical sector. In addition to lectures and laboratory sessions at AIT, and site visits to local biopharmaceutical plants, students on the MSc will receive practical training at the National Institute for Bioprocessing Research & Training (NIBRT) in Dublin.

Admission Requirements: A first or a second class honours grade or an international equivalent in a Biology or Chemistry-related primary degree (for example Biotechnology, Toxicology, Biochemistry, Microbiology, Pharmaceutical Science, Genetics, Neuroscience, Pharmacology, Physiology, Medicinal Chemistry or an equivalent qualification). Graduates who hold equivalent qualifications in related science and technology disciplines or who have relevant industrial experience will be considered for places on a case-by-case basis.

IELTS: Minimum 6.5 overall score required with no band below 5.5.

Course Webpage: [shortened as] https://bit.ly/2N8patw

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

C2	MSc in Bioprocess Engineering*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is an interactive and dynamic programme that will develop your knowledge and appreciation of the conceptual and factual bases for bioprocess design and operation. It also develops your understanding of bioprocessing, particularly the structures, roles and experimental methods associated with biopharmaceuticals, their analysis, production methods and technology for monitoring and control of bioprocesses.

Indicative Content: Fundamentals of Bioreaction Engineering; Bioseparations; Recombinant DNA Technology; Bioprocessing Laboratory; Introduction to Bioprocess Engineering; Bioprocess Scale Up & Technology Transfer; Animal Cell Culture Technology; Biopharmaceutical Industry Regulation & Management; Bioreactor Design, Modelling & Monitoring; Regulatory Affairs Sc. for Biotech Products; Formulation & Delivery of Biopharmaceuticals; Biopharmaceutical Facility Design & Operation; Bioprocess Engineering Design Project.

Admission Requirements: An honours degree (minimum second class honours grade 2) in Science or Engineering

IELTS: Minimum 6.5 overall score required with no band below 6.0.

Course Webpage: [shortened as] https://bit.ly/2nLrYC7

Application: **PAC Code: DC735**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

C3   MSc in Pharmaceutical Quality Assurance & Biotechnology   TUD

Study Location: Dublin Institute of Technology

Course Duration: 18 months

Course Outline: This programme is offered on a one year full—time basis followed by a 6 months industry based dissertation. It is designed to provide a bridge for graduates with a degree in science or related disciplines to the specific requirements of the pharmaceutical sector. The programme offers a broad based curriculum covering aspects of quality assurance, auditing, manufacturing and pharmaceutical science and biotechnology.

Indicative Content: Q.A., Auditing and Inspection; GMP and Validation; Biotechnology; Pharmaceutical Technology and Research Methods; Pharmaceutical Facilities and Utilities; Pharmaceutical Manufacturing and Management; Pharmaceutical Analysis & Method Validation; Medicinal Chemistry and Process Design & Development for API Production; Process Analytical Technology & Quality by Design; Biopharmaceutical Analysis; Validation of Aseptic Pharmaceuticals; Pharmaceutical Microbiology and Aseptic Manufacture; Pharmacology and Toxicology; Quality Risk Management; Process Validation for Biopharmaceuticals; Dissertation.

Admission Requirements: Honours bachelor degree in science or related discipline at 2.2 grade or higher or equivalent qualification.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] http://bit.ly/2vRCooC

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

C4   MSc in Pharmaceutical Regulatory Affairs   ITC

Study Location: Institute of Technology, Carlow

Course Duration: 1 year

Course Outline: This Masters programme presents the regulatory affairs role and specifically targets the pharmaceutical regulatory industry. It also provides a detailed insight into EU legislation and regulation as well as an overview of US regulation. The programme enables existing regulatory affairs personnel in the pharmaceutical regulatory industry to understand all current diagnostic and medical device regulations and develop the necessary skills to work successfully in the dynamic world of regulatory affairs.

Indicative Content: Life-cycle Management, Vigilance, Surveillance and Risk management; Pharmaceutical Technology Regulatory Affairs; Non-Clinical and Clinical Evaluation of Pharmaceutical Technologies; Principles of Discovery of medicines and Development Planning; Research methods and Technical Report Writing; Special Populations and Biologicals and Advanced Therapies; Dissertation.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in science, engineering, quality, pharmaceutical or regulatory affairs or cognate areas.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2vNVHP2

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

C5	MSc in Bioprocessing Science*	ITS

Study Location: Institute of Technology, Sligo

Course Duration: 1 year

Course Outline: This programme will equip participants with the appropriate skill range and skill selectivity in applied methods used in Bioprocessing and more broadly the Biotechnology Industry. The programme aims to produce graduates with the essential breadth and kind of knowledge, skills set and competences, required to function in the Biopharmaceutical and Biotechnology Industries.

Indicative Content: Bioprocessing Manufacturing Theory; Legislation and Regulatory Affairs for Biopharmaceuticals; Biocontamination Monitoring and Control; Bioanalytical Techniques; Research Methods Biopharma; Bioprocessing Manufacturing Laboratories; Formulation and Delivery of Biopharmaceuticals; Lean Six Sigma and Operations Management; Bioanalytics Practical Module; Bioprocess Validation; Dissertation.

Admission Requirements: The programme is open to students who have obtained an honour's degree (Level 8) or equivalent in an appropriate discipline (i.e. Engineering or Life Sciences).

IELTS: Minimum 6.0 overall score required.

Course Webpages: [shortened as] https://bit.ly/2u4lfG9

Application: Apply online via course webpage.

C6	MSc in Biomedical Science*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This MSc programme aims to provide students with the underpinning knowledge and practical skills to pursue a successful career in biomedical science. The course is designed for those who wish to follow careers as Biomedical Scientists in research, the Health Service or in the wider context of biomedical science (including Medical Technologies, Bio-pharmaceutical and other Healthcare industries). A major objective of the course is to introduce students to an interdisciplinary approach to Biomedical Science, which utilises technologies and skills from a wide spectrum of scientific, engineering and clinical disciplines.

Indicative Content: Core – Research & Minor Thesis; Tissue Engineering; Materials, Science & Biomaterials; Applied Biomedical Sciences; Introduction to Business; Literature Analysis and Presentation Skills in Biomedical Research; Regulatory Compliance in Healthcare Manufacturing; Molecular Medicine. Options – Scientific Writing; Human Body Structure; Protein Technology; Human Body Function; Fundamental Concepts in Pharmacology; Cell & Molecular Biology: Advanced Technologies; Radiation and Medical Physics; Advanced Tissue Engineering; Introduction to Bioinformatics; Advanced Industrial Processes.

Admission Requirements: Graduates who have a first class or second class honours BSc degree in a relevant biological or biomedical sciences, physical sciences or engineering field.

IELTS: Minimum 6.5 overall score required with no band below 6.0.

Course Webpages: [shortened as] www.bit.ly/chj2Yk

Application: **PAC Code: GYS03**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

C7	MSc in Biomedical Engineering*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: The course provides training in biomedical engineering and focuses on developing advanced technical knowledge and skills for implementation in terms of innovation, commercialization and business development. The programme aims to equip students with biomedical engineering skills for the medical technology industry, and for academic research and teaching. The course combines instruction through taught modules and a significant project-based learning component.

Indicative Content: Biomechanics; Biomaterials; Medical and Surgical Practice; Medical Implant and Device Design; Tissue Engineering/Advanced in Engineering Analysis/Advanced Finite Element Methods; Mechanobiology; Nin-Linear Elasticity; Partical Differential Equations; Graphics and Image Processing; Bioinstrumentation Design; Embedded Image Processing; Reconfigurable System on a Chip; StemCells and Gene Therapy II; Financial Management; Project Management; Lean Systems; Research Methods for Engineers; Technology, Innovation and Entrepreneurship; Human Reliability.

Admission Requirements: A minimum 2:2 Honours degree in a Biomedical Engineering or related programme.

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

Course Webpage: [shortened as] https://bit.ly/2OS3qnf

Application: **PAC Code: GYE24**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie– using the PAC application code shown above.

C8	MSc in Biotechnology*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This MSc aims to provide you with the skills and knowledge necessary to pursue a successful career in biotechnology. Through tutorials, lectures, assignments and a research project, the course focuses on the development and application of biological processes in research, commercial and industrial settings. The programme is suitable for applicants who have a primary degree in Biological Sciences and wish to develop a career in a sector of high employment.

Indicative Content: <u>Core</u> – Introduction to Business; Fundamental Concepts in Pharmacology; Frontiers in Biotechnology; Protein Technology; Biotechnology Research and Work Experience; Diagnostic Biotechnology. <u>Options</u> – Scientific Writing; Current Methodologies in Biotechnology; Applied Concepts in Pharmacology; Cell & Molecular Biology: Advanced Technologies; Quality Management Systems for Biotechnology; Introduction to Programming for Biologists; Advanced Industrial Processes; Molecular Medicine; Basic and Advanced Immunology.

Admission Requirements: Candidates must hold at least a Second Class Honours, Level 8 (or equivalent international qualification) primary degree in Science or a related subject, with a strong background in Biological Sciences.

IELTS: Overall score of 6.5 is required, with not less than 5.5 in any one component.

Course Webpage: [shortened as] www.bit.ly/avHELs

Application: **PAC Code: GYS04**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above

C9	MSc in Neuropharmacology*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This course will equip students with the skills necessary to develop a career in important area of research, and aims to provide: a sound theoretical knowledge of neuropharmacology; laboratory-based skills in various neuropharmacological techniques; an appreciation of the regulatory issues associated with conducting neuropharmacological research; the application of experimental design and statistics to neuropharmacological research; a detailed understanding of a range of computer packages involved in data processing and presentation; a research project which will allow these skills to be further developed.

Indicative Content: <u>Core:</u> Fundamental Concepts in Pharmacology; Applied Concepts in Pharmacology; Neurophysiology; Central Neurotransmission; Experimental Methods in Pharmacology; Experimental Neuropharmacology; Current Topics in Neuropharmacology; Neuropharmacology & Therapeutics; Neuropharmacology Research Project. <u>Options</u> – Introduction to Toxicology; Screening Molecular Libraries.

Admission Requirements: At least a Second Class Honours Level 8 degree from any of a range of undergraduate disciplines, from Chemistry to Life Science subjects to Psychology.

IELTS: Overall score of 6.5 is required, with not less than 5.5 in any one component.

Course Webpage: [Shortened as] www.bit.ly/9ddKv5

Application: **PAC Code: GYS11**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

C10   MSc in Pharmaceutical Sciences   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The M.Sc. in Pharmaceutical Sciences is an integrated multidisciplinary course addressing fundamental and applied aspects of drug and drug product discovery, development, production and analysis. The programme will prepare candidates for research careers in academia and industry in pharmaceutical R&D.

Indicative Content: Regulatory aspects and industrial pharmacy; Chromatographic and other separative methods of analysis; Spectroscopic methods for drug analysis; Molecular pharmaceutics and advanced drug delivery; Analysis of low level drug analytes; Pharmaceutical and medical nanotechnology; Pharmacological and related methods; Analysis of biotech products; Formulation development and evaluation; Research methods in pharmaceutical analysis, analytical method, validation and statistics.

Admission Requirements: Applicants are accepted, subject to the availability of places, from holders of honours degrees in a relevant Science discipline (e.g. Pharmacy, Chemistry, Analytical Chemistry, Microbiology, Biochemistry, Pharmacology and other appropriate primary honours degrees e.g. I.T., Medicine or Veterinary). Equivalent primary and/or postgraduate qualifications are considered, particularly with relevant professional experience.

IELTS: Minimum 6.5 overall score required.

Course Webpage: https://pharmacy.tcd.ie/postgraduate/msc_analysis.php

Application: Apply online via course webpage.

C11   MSc in Immunology   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This M.Sc. in Immunology includes study of immunological processes and mechanism, how they contribute to disease and how they might be manipulated therapeutically. By focusing on the molecules, cells, organs and genes of the immune system, their interaction and how they are activated and regulated, students will develop a deep understanding of the pathological processes underpinning immune mediated disease and how they might be controlled. The masters course aims to provide students with a well-balanced and integrated theoretical and practical knowledge of Immunology, and to highlight the progress and intellectual challenges in this discipline.

Indicative Content: Basic Immunology; Immunological Technologies; Communicating Science and Critical Analysis; Immunogenetics; Microbe Detection and Evasion; Clinical Immunology; Parasite Immunology; Tumour Immunology; Global Infectious Diseases; Immunotherapeutics and Product Development; Dissertation.

Admission Requirements: Applicants will normally be required to hold at least Upper Second Class Honours degree (2:1) or higher in Medicine, Veterinary Science, Molecular Biology, Genetics, Immunology, Biochemistry or a related subject.
IELTS: Minimum 6.5 overall score required.

Course Webpage: https://www.tcd.ie/Biochemistry/postgraduate/msc-immunology.php
Application: Apply online via course webpage.

C12   MSc in Bioengineering – General Stream   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Bioengineering is designed to provide engineers and scientists with the education, training and creative skills needed to practice and focus on important clinical needs in the medical devices industry, or research and clinical institutes.

Indicative Content: Biomechanics; Biomaterials; Medical Device Design; Tissue Engineering; Basic Medical Sciences; Research Methods; Research Project; Advanced Medical Imaging; Design/Innovation.

Admission Requirements: Applicants will be required to hold a minimum of an upper second class honours degree in engineering, biomedical technology, or a cognate discipline. An interview may also be required.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2wKKBZi

Application: Apply online via course webpage.

C13   MSc in Bioengineering – Tissue Engineering Stream   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Bioengineering is designed to provide engineers and scientists with the education, training and creative skills needed to practice and focus on important clinical needs in the medical devices industry, or research and clinical institutes.

Indicative Content: Core – Biomaterials; Research Methods; Research Project; Current Topics in Cell and Tissue Engineering; Tissue Engineering; Laboratory Techniques in Cell and Tissue Engineering; Biomaterials and Tissue Engineering Project; Design/Innovation. Options – Biomechanics; Advanced Medical Imaging; Basic Medical Sciences.

Admission Requirements: Applicants will be required to hold a minimum of an upper second class honours degree in engineering, biomedical technology, or a cognate discipline. An interview may also be required.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2wKKBZi

Application: Apply online via course webpage.

C14   MSc in Bioengineering – Medical Device Specialisation Stream   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Bioengineering is designed to provide engineers and scientists with the education, training and creative skills needed to practice and focus on important clinical needs in the medical devices industry, or research and clinical institutes.

Indicative Content: <u>Core</u> – Biomechanics; Biomaterials; Research Methods; Research Project; Medical Device Design; Current Research Topics and Techniques in Medical Device Design; Design/Innovation. <u>Options</u> – Biomechanics; Advanced Medical Imaging; Basic Medical Sciences.

Admission Requirements: Applicants will be required to hold a minimum of an upper second class honours degree in engineering, biomedical technology, or a cognate discipline. An interview may also be required.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2wKKBZi

Application: Apply online via course webpage.

C15	MSc in Chemistry – Analysis of Pharmaceutical Compounds*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The MSc in Analysis of Pharmaceutical Compounds is a one-year course designed to provide you with the theoretical and practical skills for employment in a diverse range of industries that require analytical expertise. The course curriculum consists of six months of lectures, laboratory practical sessions, career service workshops, industry-based seminars/workshops, site visits to industry and a six-month research project (industry, research institute, aboard).

Indicative Content: Modern Analytical Techniques; Chemical Data Analysis and GLP; Separation Science, Sensors and Process Analytical Technology; Materials, Pharmaceutical and Bio-analysis; Practice of Analytical Chemistry; Biopharmaceuticals: Formulation Design; Secondary Processing and Regulatory Compliance; Research Project and Dissertation.

Admission Requirements: Candidates must have obtained at least a Second Class Honours degree or equivalent in a subject(s) related to that of the MSc programme. Graduates with equivalent qualifications in related areas of science and technology, or with proven and relevant industrial experience can be considered for places following interview and assessment.

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

Course Webpage: https://www.ucc.ie/en/ckr02/

Application: **PAC Code: CKR02**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The MSc in Biotechnology is a one-year course designed to provide you with the theoretical and practical skills for employment in the industries of biomedical research, biopharmaceuticals, agrochemicals and biotechnology. The course curriculum consists of six months of lectures, laboratory practical sessions, career service workshops, industry-based seminars and a six-month research project.

Indicative Content: Advanced Molecular Microbial Biotechnology; Biopharmaceuticals: Formulation Design, Secondary Processing and Regulatory Compliance; Bioprocess Engineering; Cell and Molecular Biology; Functional Foods for Health; Genetic Engineering; Modern Methods in Analytical Chemistry; Plant Genetic Engineering; Research Dissertation and Industry Placement.

Admission Requirements: Candidates must have obtained at least a Second Class Honours, Grade I degree or equivalent in a subject(s) related to that of the MSc programme. Graduates with a Second Class Honours Grade II will be considered on a case-by-case basis. Graduates with equivalent qualifications in related areas of science and technology, or with proven and relevant industrial experience can be considered for places following interview and assessment by the Director of the MSc (Biotechnology) Programme.

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

Course Webpage: www.ucc.ie/en/ckr01

Application: **PAC Code: CKR01**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D

Health, Medicine, Health Economics and related

D1   MSc in Nursing in Leadership and Quality Healthcare*   AIT

Study Location: Athlone Institute of Technology

Course Duration: 1 year

Course Outline: This programme aims to enable students to develop a mastery of complex and specialised knowledge, with a critical awareness of issues at the forefront of nursing. Students will also develop conceptual knowledge and advanced understanding of how techniques of enquiry enable the critical and objective analysis, interpretation and application of research and scholarly evidence.

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.

IELTS: Minimum 6.0 overall score required with no section less than 5.5.

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
For enquiries, contact Mary Simpson, AIT International Office - international@ait.ie or +353 - 90 – 6468 272.

D2   MSc in Psychology and Well-Being*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: The MSc in Psychology and Wellbeing is the essential next step for psychology graduates aspiring to bring strong theoretical, conceptual, and practical knowledge of factors influencing well-being to their work or future career. The focus of this programme will be on the impact of psychological, societal, environmental and physical factors on the well-being of communities, families and individuals across the lifespan.

Indicative Content: Well-being, mental health and community Psychology; Innovations in evidence-based psychological practice; Environmental influences on well-being; Well-being through the life-span.

Admission Requirements: A relevant undergraduate degree in psychology with a minimum 2:1 or equivalent.

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

Course Webpage: [shortened as] https://bit.ly/2MoHMbI

Application: **PAC Code:** DC765
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D3   MSc in Diagnostics and Precision Medicine*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: The MSc in Diagnostics and Precision Medicine is a new blended-learning programme that details how diagnostics and therapeutics are revolutionising healthcare and medicine by providing the right person with the right therapy at the right time.

Indicative Content: Introduction to Cell Biology and Biotechnology; Recombinant DNA Technology; Fundamental and Applied Immunology; Molecular Diagnostics; Precision Medicine 1: Targeted Therapeutics and Diagnostics for Cancer; Translational Bioinformatics; Precision Medicine 2: Targeted Therapeutics and Diagnostics for Inflammatory Diseases and Inherited Diseases; Applied Biostatistics for Medicine and Informatics; Professional Skills for Scientists; Laboratory Practical Skills in Biomedical Diagnostics and Therapeutics; Research Project.

Admission Requirements: A relevant undergraduate degree with a minimum 2:1 or equivalent in life science, pharmaceutical or chemistry disciplines. In addition, candidates who hold a primary degree, with a Second-Class grade (H2:2) in a relevant discipline and with industrial experience will be considered.

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

Course Webpage: [shortened as] https://bit.ly/2PcbgIn

Application: **PAC Code:** DC739
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D4   MSc in Immunology and Global Health   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This programme represents an innovative development in higher degree options in the biological sciences. It is targeted at biological and health science graduates who are interested in the major challenges in health and development today and who wish to broaden their understanding of immunology, its importance in global health and the factors that impact on immunological intervention strategies in health and disease. An important component of the course covers emerging and re-emerging diseases including diseases of poverty.

Indicative Content: Core – Fundamental Immunology; Advanced Immunology; Geography of Health & Health Care; Epidemiology & The Modelling of Human Disease; Bioethics; Biopharmaceuticals & Clinical Trial; Clinical Immunology; Introduction to Bioinformatics; Vaccines & Adjuvants; Research Project; Seminars in Advanced Immunology and Global Health. Options – Tumour Biology; Human Nutrition and Metabolic Disease; Clinical Proteomics: Discovery, Validation and Medical Utility.

Admission Requirements: An honours primary degree (grade 2.2 or above) in the biological or health related sciences. Candidates with other qualifications and suitable employment experience will be considered.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2PvrQ65

Application: **PAC Code: MHD50**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D5	MSc in Health Psychology*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This course is concerned with the application of psychological theory, research, and practice to the promotion and maintenance of health; identification and amelioration of psychological factors contributing to physical illness; improvement of the health care system and formulation of health policy.

Indicative Content: Health Promotion and Behaviour Change; Research Methods in Psychology; Perspectives in Health Psychology; Biobehavioral Processes in Health and Illness; Psychological Processes in Health and Illness; Research & Professional Skills; Minor Dissertation.

Admission Requirements: Minimum of a Second Class Honours degree in Psychology.

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

Course Webpage: [shortened as] www.bit.ly/cH7Kg0

Application: **PAC Code: GYA70**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D6	MSc in Health Economics*	NUIG

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/1KlPlrt

Application: **PAC Code: GYC26**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

D7	MSc in Global Health	TCD

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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via the course webpage.

D8	MSc in Healthcare Infection Management	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Healthcare Infection Management aims to provide graduates with a comprehensive understanding of the multiple disciplines that must align to deliver effective control of human pathogens in the hospital and community settings. The course will provide foundation and advanced knowledge on the monitoring, prevention, diagnosis, and treatment of infectious diseases. There will also be a laboratory-based project that will enable students to acquire new laboratory skills and perform research on a topic that is relevant to contemporary

healthcare. At the end of the course graduates will be equipped with the knowledge to determine the correct approach and appropriate tools for managing healthcare infections.

Indicative Content: Clinical Microbiology & Infectious Diseases; Antimicrobial Therapy & Resistance; Epidemiology & Infection Control; Multidisciplinary Management of Infection; Research Project.

Admission Requirements: Applications will normally be received from those who hold one of the following qualifications: (i) A medical degree, (ii) an honours degree in Biomedical Sciences, Nursing, Pharmacy, or Microbiology, or (iii) An honours degree in another relevant science subject. Applications may also be received from individuals with a minimum three years Healthcare experience and relevant qualifications. Applicants meeting these requirements may be required to attend for interview.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MfIHrx

Application: Apply online via the course webpage.

D9	MSc in Community Health	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This course will prepare health and social care professionals in the delivery of universal primary care and is suitable for people who are currently either working in, or intend to work in community health and who are seeking an enhanced qualification for their career advancement. The purpose of the course is to enable students from across a broad spectrum of professional backgrounds to gain a grounded understanding of the core principles of public health and their application to the practice of community healthcare, and to increase graduates' employability in community health practice.

Indicative Content: Core – Determinants of Health; Principles and Practice of Community Health; Epidemiology and Healthcare Statistics; Theory and Practice of Enquiry Methods in Health Care; Health Promotion and Management of Chronic Disease. Options – Deconstructing Mental Health and Distress; Child Health Provision in the Community.

Admission Requirements: Minimum 2:1 grade (second class honours) in a relevant primary degree in the applicant's field of practice. Where applicable, applicants must hold current registration with the relevant professions' regulatory body.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2s3I1OH

Application: Apply online via the course webpage.

D10	Master of Public Health (MPH)*	UCC

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: <u>Core</u> - Principles and Practice of Public Health; Applied Research for Public Health; Public Health Informatics; Leadership in Public Health; Dissertation. <u>Options</u> – 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 <u>or</u> 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

Application: **PAC Code: CKX11**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

D11	Master of Public Health (MPH)*	UCD

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: <u>Core</u> – 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. <u>Options</u> – 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

Application: Apply online from course webpage.

D12 MSc in Advanced Healthcare Practice*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The MSc is designed to enhance graduates' critical thinking and develop evidence based practitioners as future leaders of effective services. Graduates will obtain an in-depth knowledge of an area of Health Sciences to apply to their professional practice. From this MSc, graduates will be able to describe and appreciate the strengths and weaknesses of the current range of theory and research.

Indicative Content: Core – Evidence Based Practice; Research Methods for Clinical Therapists; Dissertation. Options – Independent Learning Module; Principles of Primary & Community Care; Leading & Managing Practice; Social Influence & Attitude Change; Engaging Through Complexity; Innovation in Management for Health & Social Care; Intercultural Care; Qualitative Research Methods in Psychology; Applied Positive Psychology.

Admission Requirements: Healthcare clinicians with a professionally and academically accredited BSc (Hons) or equivalent in a health profession at a minimum award of 2.2 hons level or above.

IELTS: Minimum 7.5 overall score required with no section less than 7.0.

Course Webpage: [shortened as] http://bit.ly/2i8IoEj

Application: Apply online via the course webpage.

D13 MSc in Nursing Studies*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The MSc Nursing Studies programme prepares and advances students with the knowledge, skills and attitudes required to become confident, critical, analytical and research aware graduates. The programme provides opportunities to explore research as evidence for enhancing and changing practice and aims to advance the student's aptitudes in becoming confident, analytical and research aware.

Indicative Content: Core – Health Research - Methods & Methodology; Principles of Primary & Community Care; Leading & Managing Practice; Project Development & Study Skills; Promoting Quality & Safety in Healthcare; Dissertation Project 1; Dissertation Project 2. Options – Health Promotion in Nursing/Midwifery Practice; Intercultural Care; Therapeutic Engagement.

Admission Requirements: Candidates must have a first or second class honours degree in a relevant or appropriate subject and must be a registered nurse and provide evidence of a current registration with an appropriate Nursing/Midwifery Registration Board.

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

Course Webpage: [shortened as] http://bit.ly/2w4o4tD

Application: Apply online via the course webpage.

E

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

| E1 | MSc in International Security and Conflict Studies* | DCU |

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 – using the PAC application code shown above.

| E2 | MA in Refugee Integration* | DCU |

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme develops an in-depth, multi-faceted knowledge of issues raised by the arrival of asylum seekers and refugees in different jurisdictions. It explores how best to respond to the needs of newly arrived populations and host societies to ensure harmonious integration processes.

Indicative Content: Core – Forced Migration and Host Societies; The Refugee Journey: Mobility, Adaptation and Integration; Gender, Sexuality and Migration; Migrant Populations, Education and Second Language Acquisition; Research Methods; Dissertation. Options – Translation in Crises; Community Interpreting Theory and Practice; Community Interpreting Theory; Environmental Change and World Politics; EU Migration and Asylum Law; European and International Human Rights Law; Politics and Development in Africa; Politics of the UN: Politics of the Middle East and North Africa.

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/2MR3bY6

Application: **PAC Code: DC663**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

E3   MSc in Sustainable Development   TUD

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.

IELTS: Minimum 6.0 overall score required.

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

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

E4   MSc in Local Development and Innovation   TUD

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.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] http://bit.ly/2ulII4e

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

E5	MA in International Development	MU

Study Location: Maynooth University

Course Duration: 15 months

Course Outline: The MA is designed to prepare participants for work in International Development in a community, local government, youth/adult education, or NGO setting. It offers learners an opportunity to explore contemporary theories of social change and development and to analyse development policies and practices. It builds skills especially in relation to research, leadership and working with groups and in the planning, management and evaluation of development projects.

Indicative Content: Political Economy of Development; Gender and Development; Managing Development Organisations; Introduction to Development Theory and Practice; Adult Learning for Development; Research Methods; Leadership in Groups; Human Development; Facilitation for Change; Financial Management; Health and Development; Sustainable Livelihoods and Climate Change Adaptation; Globalisation and Movements for Change; Human Rights and Advocacy; Anthropology and Globalisation; Conflict; Development and Security; Political Economy of Environment & Development.

Admission Requirements: Undergraduate degree (2.2 or higher) in a development related discipline (e.g. Agricultural Science, Anthropology, Economics, Education, Engineering, Geography, Health related discipline, Nutrition, Rural Development, Sociology or other Social Science etc) or a recognized international equivalent. Those with a professional background in work related to international development are particularly welcome to apply.

IELTS: 6.5 minimum overall score (Note: In exceptional cases candidates may be accepted with a score of 6.0, subject to participation in a supplemental course on English for Academic Purposes.

Course Webpage: [shortened as] https://bit.ly/2MF8o8D

Application: **PAC Code: MH51N**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

E6   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: <u>Core</u> – Mediation Knowledge and Practice; Resolving Protracted Conflict: Applied Concepts & Peace Process Theories; Globalisation and Movements for Change; Conflict, Development and Security. <u>Options</u> – 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.

IELTS: Minimum 6.5 overall score required.

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

Application: **PAC Code: MH54M**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

E7   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: <u>Core</u> – Conceptualising Environment, Society & Development; Geography and Geo-Graphing; Geopolitics & Security; Environment & Risk; Managing Development; Field Based Learning; Dissertation. <u>Options</u> – 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

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

E8   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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: www.tcd.ie/ise/postgraduate/peace-studies.php

Application: Apply online via course webpage.

E9   MPhil in Race, Ethnicity and Conflict   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This one-year postgraduate course examines the techniques used by states and international agencies to manage peoples and conflict, their social and cultural impact and the responses they elicit. It applies a wide variety of sociological theories to racialization, gender, migration, ethnic conflict and peace-making. Students are taught to complete an independent research project on these issues. The emphasis is on small group teaching and one-to-one support in the preparation of your research-based dissertation. Course content focuses on Ireland, Europe, the US, and the Middle East and covers topics such as theories of race ethnicity, and conflict as well as modules on development and colonialism; migration, labour and conflict; racism and resistance; and gender, war and peace

Indicative Content: Core – Theories of Race and Ethnicity; Research Methods; Theories of Conflict; Dissertation. Options – Racism and Resistance; Gender, War and Peace; Contemporary Conflicts: Case Studies; Development, Colonialism and Intervention; Migration, Labour and Conflict.

Admission Requirements: Candidates should have a good primary degree (an upper second or equivalent, GPA of at least 3.2) in one of the social sciences or a degree that has included social science as a component. In exceptional cases, candidates without a first degree may be accepted directly into the programme if they can demonstrate that they possess the equivalent of a good first degree, have work experience in the fields of population movement, conflict, and/or publications that demonstrate analytical skills.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2LOiynB

Application: Apply online via course webpage.

E10 MSc in International Development*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The MSc in International Development is designed to provide you with an interdisciplinary understanding of the process of development by bringing together expertise in politics, economics, agriculture, political economy and other areas. The MA International Development is a 90-credit programme. Full-time students must take a total of 65 credits between core and optional taught modules. Students must also submit a thesis worth 25 credits that will be written during the summer term. MA students have the option of pursuing an internship in lieu of a thesis.

Indicative Content: Core – Politics of Development; Dissertation Design; The Economics of Sustainable Development. Options – Theories of International Relations; International Political Theory; Comparative Public Policy; International Political Economy; Comparative European Politics; EU Foreign, Security and Defence Policy; Governing the Global Economy; Politics of European Governance; Politics of Human Rights; Theory of Human Rights; The Global Political Economy of Europe; Principles of International Politics; Gender in Peace and Conflict; The Politics of Inequality; Dissidents and Human Rights Defenders; Political Violence; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Geopolitics of Brexit; Public Opinion and Politics; Comparative European Legislatures; Thesis; Internship.

Admission Requirements: A primary degree with at least Second Class Honours Grade 1 (2H1) in a relevant subject such as political science, international relations, social science, sociology, history, geography, economics, global studies, public policy, development studies, EU studies, law.

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

Course Webpages: [shortened as] www.bit.ly/2ckKVbm

Application: Apply online from course webpage.

E11 MA in International Development*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The MSc in International Development is designed to provide you with an interdisciplinary understanding of the process of development by bringing together expertise in politics, economics, agriculture, political economy and other areas. The MSc International Development is a 90-credit programme. Full-time students must take a total of 65 credits between core and optional taught modules. Students must also submit a thesis worth 25 credits that will be written during the summer term.

Indicative Content: <u>Core</u> – Politics of Development; Thesis; Introduction to Statistics; Dissertation Design; Research Design and Case Study Methods; The Economics of Sustainable Development. <u>Options</u> – Theories of International Relations; International Political Theory; Comparative Public Policy; International Political Economy; Comparative European Politics; EU Foreign, Security and Defence Policy; Governing the Global Economy; Politics of European Governance; Politics of Human Rights; Theory of Human Rights; The Global Political Economy of Europe; Principles of International Politics; Gender in Peace and Conflict; The Politics of Inequality; Dissidents and Human Rights Defenders; Political Violence; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Geopolitics of Brexit; Public Opinion and Politics; Comparative European Legislatures.

Admission Requirements: A primary degree with at least Second Class Honours Grade 1 (2H1) in a relevant subject such as political science, international relations, social science, sociology, history, geography, economics, global studies, public policy, development studies, EU studies, law.

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

Course Webpages: [shortened as] https://bit.ly/2kGpiVL

Application: Apply online from course webpage.

E12	MSc in Humanitarian Action*	UCD

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: <u>Core</u> – Geopolitics; Anthopology; International Law; Publish Health; Management in Humanitarian Action; Dissertation. <u>Options</u> – 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 og 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.

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programme focuses on analysis of the nature and dynamics of crime, violence and conflict. It is suitable for those who want to pursue an academic/research career in this area, for professionals/practitioners working in this or related areas, and for those who want to develop a broader understanding of these issues. The ethos of the programme is inclusive and systemic in its commitment to a genuinely innovative theoretical and empirical approach to the study of crime, violence and conflict.

Indicative Content: Core – Policing & Social Conflict; Organised Violence and Society; Dissertation. Options: Critical Geopolitics of Europe; Punishment, Prisons & Public Policy; International Human Rights; International Criminal Justice; Sociological Research: Theoretical and Applied Issues; Economic Globalisation and Social Change; Health, Illness and Society; Workshop in Qualitative Research; Ethnicity and Nationalism; Social Simulation: Methods and Models; Social Economic & Political…; Global Migration; Reimaging Tocqueville (Milestones in Cultural Sociology I); Dynamic Social Networks; Analytical Sociology & Applications; Computational Sociology & Complex Data Applications; Art, Knowledge & Social Change; Everyday Nationhood in Comparative Perspective; Quantitative Data Analytics & Applications; Inequality and Institutions: Applications In Longitudinal And Time Series Analysis; Critical Race & Decolonial Theory.

Admission Requirements: Minimum 2:2 Honours (or equivalent) in a primary degree.

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

Course Webpage: [shortened as] www.bit.ly/2cXCDE6

Application: Apply online via course webpage.

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.

Course Webpage: [shortened as] www.bit.ly/187ScT3

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

F

Education

F1   MA in Leadership in Early Years Education and Care   ITC

Study Location: Institute of Technology, Carlow

Course Duration: 1 year

Course Outline: This programme has been designed to facilitate and prepare students and current practitioners or those with an interest in early childhood education for leadership and management roles in the operation of early childhood education services and related public policy. This Masters programme will develop students' ability to both analyse, manage and creatively respond to critical issues and changes in early childhood care policy and service implementation, all the time being cognisant of the best interests of the child.

Indicative Content: Contemporary Issues in Early Years Policy, Theory and Practice; Leading Quality in Early Years Education & Care; Leadership, Strategy & Governance; Transformative Children's Rights Education; Educational Psychology; Early Years Entrepreneurship and Innovation; Research Methods; Dissertation.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in Early Childhood Education & Care/ Studies, Applied Social Studies, Social & Community Studies, Youth & Community Work, Social Sciences or cognate area.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2L3EyFT

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

F2   Master of Education   MIC

Study Location: Mary Immaculate College

Course Duration: 1 year

Course Outline: The programme covers theories, principles and practices in contemporary educational settings and is designed for all those interested in enhancing their professional knowledge, understandings and skills. Teaching and learning methods include; lectures, workshops, presentations, visiting speakers and supervised research. Graduates of the programme are working as teachers, principals, inspectors, lecturers, and researchers in schools, colleges, universities at home and abroad.

Indicative Content: Theory and Practice in Education; Applied Research Project; Principles and Practice of Research in Education; Ensuring Criticality and Reflexivity in Educational Research Design; Curriculum Design, Development and Evaluation; National and International Trends and Current Issues in Education; Dissertation.

Admission Requirements: Primary Degree in Education (Level 8 NFQ) at a minimum of Honours 2:2. Applicants who have a 2:2 Honours degree in other disciplines may be considered if they have substantial and relevant professional experience.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2xrhCgZ

Application: Download an application form from the course webpage and email to holly.cowman@mic.ul.ie.

F3 MEd in Adult and Community Education MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This programme will provide the opportunity for participants to critically reflect on their experience in the field, develop the public debate on social justice and critical citizenship, and have a thorough grounding and an understanding of the background to and influences on research in adult and community education.

Indicative Content: Advanced Theories in Adult and Community Education; Advanced Gender Studies in Adult and Community Education; Power, Politics and Society: Adult Education in Context; History of Adult and Community Education; Critical Perspectives on Adult Education; Critical Reflective Practice in Adult Education; Thesis; Research Methods in Adult & Community Education; Group Supervision & Reflexive Research.

Admission Requirements: Candidates must have a primary degree with a minimum grade of 2:1 in one of the social sciences (Adult Education, community work, social care, sociology, political science, economics, psychology, anthropology, education etc.). Please note: The University may waive these conditions in certain cases.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2w8pJP7

Application: **PAC Code: MHA92**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

F4 Master of Education MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: A range of educational research methodologies are taught as key components of the course to support students in developing the necessary research skills to conduct their own research, and to interpret and interrogate research around key educational issues. Students can choose between taking a **Specialism** and taking a **General** degree with the option of completing either a Thesis or a Capstone Project at the end of the programme.

Indicative Content: <u>Core</u> – Critical Reflections on Education; Introduction to Research Methods in Education; Contextualising and Communicating your Research. <u>Options</u> – Educational Policy and Legislation: Navigating Official Landscapes; Teaching about Teaching: From Teacher to Teacher Educator; Play and Enquiry Led Curriculum/Pedagogy; Thesis; Capstone Project; Equality, Diversity & Policy in Education; Communicational Leadership: Personal and Professional; Exploring Critical and Creative Pedagogies: Drama and the Arts in Education; Wellbeing, Mental Health and Education; Teacher Education: Policies and Issues; Leadership and Mentoring in the Early Years Context.

Admission Requirements: Applicants will hold the equivalent of an honours degree and/or honours postgraduate diploma.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2v7jZ3y

Application: **PAC Code: MH52G**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

F5	Master in Education – Foundation Studies	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The programme is intended for persons who wish to gain a comprehensive and contemporary understanding in a number of disciplines that inform educational theory and practice. It is appropriate for practitioners working at all levels in education (primary, post-primary and tertiary) as well as those who have a professional interest in education.

Indicative Content: Core – Academic Literacy and Research Methods; Thinking Education. Options – Assessment and Evaluation in Education: Issues and Applications; Educational Psychology; Education and Social Policy; History and Historiography of Education; ICTs in Education; Introduction to Language Education; Sociology of Education; Teacher Leadership for 21st Century Schools.

Admission Requirements: Normally a good honours degree and at least two years' experience in the field of education.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2O8IFCr

Application: Apply online via course webpage

F6	MA in Education*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programme is designed for students who wish to deepen their understanding of educational issues, practices and research in order to pursue or develop a career in education or related disciplines. Students are exposed to a range of research skills and techniques which enable them to engage with, and produce, high quality educational research.

Indicative Content: Core – Thesis; Research Methods; Data Analysis. Options – Professional Development: Digital Learning Design; Education Sciences: Psychology Applied to Schools; Leading a Learning Organisation; Responding to the Additional Support Needs of Learners: Theoretical and Practical Perspectives; Research Design; Advanced Research Methods (Qualitative); Psychology and Positive Psychology; Children's Rights & Participation;

Contemporary Issues; School Leadership and the Quality of Teaching and Learning: Actors, Agency, Activities; Guiding Effective T & L; Curriculum and Assessment; Students, Schools & Society; Equality and Social Justice in Children's Learning; Philosophical Perspectives on Education and Childhood; Children's Literature; Mental Health & Wellbeing; History of Childhood & Learning.

Admission Requirements: An upper second class honours (2:1), or international equivalent in their primary degree and who demonstrate evidence of interest in educational issues.

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

Course Webpage: [shortened as] www.bit.ly/2d3j2l1

Application: Apply online via course webpage.

G

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

G1   MA in Child and Youth Studies*   AIT

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.

IELTS: Minimum 6.0 overall score required with no section less than 5.5.

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
For enquiries, contact Mary Simpson, AIT International Office - international@ait.ie or +353 - 90 – 6468 272.

G2   MSc in Climate Change: Policy, Media and Society*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme will equip students with critical insights and analytical skills to enable them to play a part in shaping the transition to a decarbonised and climate resilient future. Most postgraduate courses focused on climate change are concerned with the science of climate change. DCU's new MSc. in Climate Change: Policy, Media & Society is unique in Ireland in its focus on the social sciences and humanities, on media, policy, law, governance, regulation and politics.

Indicative Content: Core – Climate Change and the Media; Climate Change: The Physical Science Basis; Climate Change Policy and Governance; Research Methodology; Climate Change and Society Transition; EU and National Climate Change Law; Dissertation. Options – Environmental Ethics: Perspectives and Challenges; Environmental Change and World Politics; Climate Change Education; Policy Challenges; Communicating Policy; EU Foreign and Security Policy; The Politics of the Euro.

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/2vKLXFs

Application: **PAC Code: DC669**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

G3   MA in Child, Family and Community Studies*   TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: This course aims to examine how human capacity can be enhanced across the lifespan in the socio-educational sector. It will provide participants with a critical understanding of concepts and approaches to enabling individuals and groups to realise their potential as human persons and participative communities. Students will be educated to high levels of contemporary theoretical awareness in fields central to social services provision and to create an atmosphere of rigorous academic enquiry and writing.

Indicative Content: Core - Perspectives on Family and Community; Cultural Diversity in Early Childhood Education and Social Care; Transitions across the lifespan; Management practice and theory; Research Methods; Dissertation. Options - Interventions in child and adolescent mental health; Contemporary issues in the early years; Youth Offending and Youth Justice Perspectives; Risk, vulnerability and the protection of children and vulnerable adults; Victimology; Perspectives on ageing

Admission Requirements: Applicants must normally hold a minimum 2:2 honours degree in the area of social care, early education, social sciences, psychology, sociology, youth and community studies or cognate discipline. Applicants who do not meet the minimum academic requirements, but who have significant professional or vocational experience in child, family and community services shall also be considered.

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

Course Webpage: [shortened as] http://bit.ly/2fpIN4n

Application: Apply via the 'Non-EU/International Applicants' button on the course webpage.

G4   MA in Child, Youth and Family Studies   ITC

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

IELTS: Minimum 6.0 overall score required.

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

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

G5	MA in Public Advocacy and Activism*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: The MA in Public Advocacy and Activism is an interdisciplinary programme that combines training in the practical skills of advocacy and activism with an exploration of the theories and concepts which inform these fields. By drawing on the expertise of scholars and practitioners across these fields, the MA in Public Advocacy and Activism provides the skills crucial for those who wish to work in organizations which seek to shift attitudes and initiate change, including those working in community organisation, international relations, development, labour, rights, health and the environment.

Indicative Content: Core – The Theory and Practice of Advocacy and Activism; Communications Media and Marketing for Advocates; Short Filmmaking for Advocacy; Service Learning Placement; Dissertation. Options – Human Rights for Advocates; Film & Politics; How to Argue with an Economist; Organisational Analysis and Management; The Social and Political Context of Advocacy.

Admission Requirements: Minimum second class honours undergraduate degree or equivalent.

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

Course Webpage: [shortened as] www.nuigalway.ie/publicadvocacy/

Application: **PAC Code: GYA64**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

G6	MSc in Applied Social Research	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This course will train graduates to (i) design and conduct primary research using both quantitative and qualitative research methods; (ii) analyse the research data collected using a variety of computer programmes; and (iii) write and present research findings to a variety of audiences. It is designed for graduates in the social sciences who want to develop their research skills and gain employment in the area of research.

Indicative Content: Qualitative Research Methods and Research Ethics; Quantitative Research Methods; Research Design, Evaluation Research and Accessing Resources; Work Placement; Research Dissertation.

Admission Requirements: Applicants should normally have an upper second-class honors degree in one of the Social Sciences. Applications from graduates in other disciplines (e.g. health sciences, business studies, marketing, history etc.) who have relevant experience will be considered.

IELTS: Minimum 6.5 overall score required.

Course Webpage: www.tcd.ie/swsp/postgraduate/social-research/

Application: Apply online via course webpage

G7   MSc in Disability Studies   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

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: <u>Core</u> – Introduction to Disability Studies; Disability, Policy, Law and Ethics; Research Methods; Disability Placements/Disability Applied Projects. <u>Options</u> – 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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via course webpage.

G8   MSc in Comparative Social Change   TCD/UCD

Study Location: Trinity College Dublin/University College Dublin (joint programme)

Course Duration: 1 year

Course Outline: This course is offered jointly by the Department of Sociology at Trinity College Dublin and the School of Sociology at University College Dublin to develop students' knowledge of the main currents of social change today, the social, cultural and economic forces which are driving them and the different forms they take across states. The course provides advanced training in conceptualising, designing and conducting comparative research across countries and the role that this can play in policy development. It provides students with both the theoretical frameworks and practical research skills necessary to understand the processes and pressing issues presented by global social change.

Indicative Content: <u>Core</u> – Globalisation and Social Change: India, China, Brazil; Introduction to Comparative Social Change: Concepts and Cases; Research Methods; Dissertation. <u>Options</u> – The Migration Challenge: Economic Globalisation and Social Change; Gender and Social Change in a Comparative Context; Comparing

Healthcare Systems; Migration, Labour and Conflict; Everyday Nationhood in Comparative Perspective; Art, Knowledge and the Politics of Social Change.

Admission Requirements: Candidates should normally have achieved an upper second class honours degree (2:1) or equivalent, preferably with a social sciences component and excellent academic references. GPAs of at least 3.2 out of 4, or equivalent, will be expected from international applicants.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2vg4yJ5

Application: Apply online via course webpage.

G9	MSocSc in Social Policy*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course outline: The course gives you the theoretical and practical skills to engage in social research and policy analysis. As part of this course, you can specialise in the social policy area of your choice. The delivery of the programme is innovative, discussion-led and seminar-based to encourage the active participation of the group.

Indicative Content: Core - Contemporary Social Policy Issues; Social Research: Methodology and Ethics; Social Policy Analysis; Social Policy Seminar Series; Dissertation. Options – Children and Young People; Mental Health and Disability; Conflict, Transformation and Peace Building; Debates in Critical Social Policy.

Admission Requirements: A minimum 2:2 undergraduate degree or equivalent in social policy. Applicants with other relevant degrees in the broad areas of the humanities and social sciences (sociology, philosophy, politics and government, social care, social work, early childhood studies, public health, history, law, economics, archaeology, anthropology, theology) and/or relevant experience, e.g. extensive experience in the areas of community activism, youth work, social work, trade union activism and development work will also be considered.

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

Course Webpage: https://www.ucc.ie/en/cke62/

Application: **PAC Code: CKE62**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

G10	MSocSc in Sociology*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: Students will develop a range of conceptual, analytical and methodological skills that will enable them to identify, describe and analyse a wide range of social phenomena, drawing on advanced knowledge of current debates, problems and issues at the forefront of sociology. Students also develop their independent

research skills through an individually supervised thesis based on a substantive topic aligned to their interests, needs and goals.

Indicative Content: <u>Core</u> **–** Cultural Theories & Applications; Sociological Research: Theoretical and Applied Issues; Dissertation. <u>Options</u> – Policy & Social Conflict; Economic Globalisation and Social Change; Health, Illness and Society; Workshop in Qualitative Research; Ethnicity and Nationalism; Social Simulation: Methods and Models; Global Migration; Organised Violence and Society; Reimaging Tocqueville; Dynamic Social Networks; Analytical Sociology and Applications; Computational Sociology and Complex Data Applications; Art, Knowledge and Social Change; Everyday Nationhood in Comparative Perspective; Quantitative Data Analytics and Applications; Inequality and Institutions; Critical Race and Decolonial Theory.

Admission Requirements: A Second Class Honours Grade One (2:1) or higher degree in sociology or social science is required, but Second Class Honours Grade Two (2:2) standard or equivalent may be considered. Applicants who do not meet the academic requirements but can confirm professional qualifications and/or experience will be considered. Applicants may be called for an interview.

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

Course Webpage: [shortened as] https://bit.ly/2cTJSLm

Application: Apply online via course webpage

G11	MSc in Children and Youth Studies*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: Underpinned by the United Nations Convention on the Rights of the Child, the programme focuses on children and young people's welfare, well-being and development, in the context of the complex and interdependent social issues facing contemporary childhoods and youth. The programme encourages students to develop their critical thinking and independent learning through a series of tailored reading programmes, capped by an independent research project or reflective work internship.

Indicative Content: <u>Core</u> – Children's Rights and Participation; Research Methods; Data Analysis; Dissertation. <u>Options</u> – Responding to the Additional Support Needs of Learners; Child Development; Educational Psychology and Positive Psychology; Equality and Social Justice in Children's Learning; Philosophical Perspectives on Education and Childhood; Children's Literature; Mindfulness for Schools; Mental Health and Wellbeing; History of Mental Health; Queer Frictions; Stardom, Celebrity and Media Culture; Geographies of the Global South; International Political Theory; Theory of Human Rights; Gender and Globalisation.

Admission Requirements: Honours Degree. Admission to this course is subject to an interview.

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

Course Webpage: [shortened as] http://bit.ly/2clwhMk

Application: Apply online via course webpage

| G12 | MSc in Demographics and Population Analytics* | UCD |

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programmes provide a multi-disciplinary educational environment to broaden your knowledge and understanding of population dynamics within a global context, the implications of demographic change for public policy nationally and internationally, the application of demographic analysis within an interdisciplinary context.

Indicative Content: Core – Quantitative Data Analysis; Fundamentals of Epidemiology; Geographies of Global South; Population Analysis; Population Geography; Dissertation. Options – Global Migration; Health, Illness and Society; Asylum and Refugee: Law, Politics and Rights; Applied GIS.

Admission Requirements: A minimum 2:1 primary degree in a relevant discipline, including political science, social policy, geography, sociology, economics, mathematics, statistics, development studies, business, finance, marketing, public health, psychology and computer science.

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

Course Webpage: [shortened as] https://bit.ly/2LzXrAx

Application: Apply online via course webpage

| G13 | MA in Sociology (Applied Social Research)* | UL |

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The course focus is on sociological research methods, and the intention is to produce graduates ready to embark on research careers in the private, public, voluntary or academic spheres. Modules on qualitative and quantitative methods form the core of the course, along with modules on substantive issues of contemporary relevance. Theoretical framing and analysis of qualitative data, and statistical analysis of large-scale survey data sets is central to the course.

Indicative Content: Core – Quantitative Research Methods 1; Qualitative Methods 1; Researching Social Exclusion; Researching Social Change; Dissertation. Options – Quantitative Research Methods 2; Qualitative Research Methods 2; Researching Social Exclusion 2; Researching Social Change 2; Researching Health and Illness.

Admission Requirements: The basic requirement is a first or second-class Honours degree in sociology or a cognate area or an approved equivalent qualification or an equivalent capability based on prior substantial relevant experience. Applicants may be required to submit a portfolio of work and undergo an interview.

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

Course Webpage: [shortened as] http://bit.ly/2fNk3TP

Application: Apply online from 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

Application: **PAC Code: GYA44**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The course is both interdisciplinary and multidisciplinary, training students to research across a range of disciplines. Its students acquire a deep understanding of the cultural contexts in which theories of gender are produced, performed and negotiated and an ability to use primary source material as well as critical theories and scholarship. The course also hones the sort of analytical, written, and verbal communication skills that are highly valued and effective in a many different careers.

Indicative Content: Core – Gender Theories; Approaches and Methods to Gender Research; Dissertation. Options – Gender and Globalisation; Medieval Sexualities and the Body; Europe on the Edge; Feminism and the Politics of the Sacred; Gender and Nation in Irish Writing; Gender, Identity and Authority in Eighteenth Century France; Gender, War and Peace.

Admission Requirements: Applicants should normally have at least an upper second class (2:1) honours Bachelor degree or equivalent (for example, GPA of 3.3) in a relevant area. Since places on the course are limited, applicants may be interviewed or asked to submit a writing sample for assessment.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2AFmzFW

Application: Apply online via course webpage

H3	MA in Women's Studies*	UCC

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: **PAC Code: CKE03**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

H4	MA in Gender Studies*	UCD

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 activisms. 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/2tlYixn

Application: Apply online via course webpage

H5	MSc in Equality Studies*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The purpose of the M.Sc. in Equality Studies is to cultivate an interdisciplinary appreciation of equality issues of both national and international significance, informed by extensive reading, critical analysis, advanced conceptualisation and independent research across social, political, cultural, economic and legal fields of enquiry. The programme is aimed at students who wish to develop a career or further studies in the field of equality, or who wish to become advocates or activists for equality in civil society or politics.

Indicative Content: Core - Egalitarian Theory and Practice; Human Rights Law and Equality; Sociology of Inequality; Critical Political Economy; Researching and Challenging Social Injustice; Gender Theory: Critical Themes. Options – Equalities and Social Justice for Children; Minor Thesis; Disability and Equality; Masculinities, Gender and Equality; Equality Studies Research and Professional Practice Portfolio; International Economic Crisis; Geographies of the Global South; Latin America Social Movements and Postcolonial Approaches; International Human Rights; Asylum and Refugee Law, Politics and Rights; Topics in Continental Philosophy; International Political Theory; International Political Economy; Theory of Human Rights; Ethnicity and Nationalism; Art, Knowledge and Social Change; Critical Race and Decolonial Theory; Feminist and Egalitarian Research; Travellers Rights and Nomadism; Gender and Globalisation; Gender, Inequality and Public Policy; Gender War and Violence; Reproductive Justice and Sexuality.

Admission Requirements: Normally students on this programme will have attained a higher second class honours in their primary , and will have demonstrable experience in or aptitude for the field of equality studies, as illustrated in their personal statement. Students with a lower second class honours degree may be considered for the programme, depending on level of commensurate experience and qualifications, and availability of places, as assessed by the applications review panel.

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

Course Webpages: [shortened as] https://bit.ly/2Nn9W40

Application: Apply online via course webpage

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: This course caters for specialisms in historical, socio-political or literary/cultural approaches to gender. It aims to provide students with knowledge of current historical, cultural, sociological, and/or political approaches to the study of gender, an advanced understanding of gender as a social and cultural construct and the ability to critically evaluate theoretical approaches to gender and sexuality.

Indicative Content: <u>Core</u> - Theoretical Approaches to Gender, Culture and Society; Feminist Approaches to Research; Thesis Writing; Dissertation. <u>Options</u> - Qualitative Methods; Sex, Family & Gender in Eighteenth Century Ireland & Britain; Researching Social Exclusion; Gender, Sexuality & Irish Writing; Comparative Literature: Cultural Construction of the Past; Feminism(s), Diaspora & Multiculturalism; Feminist Literary Theory; Researching Social Change; Feminist Perspectives on Conflict and Development Issues; Utopian Theory and Texts.

Admission Requirements: A minimum 2:2 Honours degree in a relevant discipline or an approved equivalent qualification.

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

Course Webpage: [shortened as] <u>www.bit.ly/1d1UIK1</u>

Application: Apply online via the course webpage.

I

Law,
Human Rights
and related

I1   Master of Laws (LLM)*   **DCU**

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: The programme is designed to prepare you for a career in the 21st century workplace, where employers seek adaptable and outward-looking critical thinkers. To this end, the LLM (Master of Laws) offers a range of modules that goes beyond black-letter, formulaic legal study: the programme embraces a socio-legal methodology and has a European and international orientation.

Indicative Content: <u>Core</u> – Legal and Socio-Legal Research Skills; Dissertation. <u>Options</u> – Public Law and Political Philosophy; Contemporary Legal Issues in Commercial Practice; Law, Ethics and the Person; EU Institutional Law; Principles of Public International Law; International Law and Conflict; European Employment Law; Criminology; Medical Law and Bioethics; EU Migration and Asylum Law; EU and National Climate Change Law; EU Competition Law and Policy; European and International Human Rights Law.

Admission Requirements: Applicants will normally have achieved a Second Class Honours Grade One (2:1) in a primary degree in law or an interdisciplinary degree which includes law as a significant component. Applicants who have not achieved a H2:1 may apply but applications will be assessed on a competitive basis.

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

Course Webpage: [shortened as] https://bit.ly/2Mn3ZrG

Application: **PAC Code: DC662**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

I2   LLM (Global Legal Rights)   **MU**

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The LLM (Global Legal Studies) master's degree provides law graduates with an advanced and systematic understanding of specialised subject areas, affording an ideal platform for students to acquire expertise and knowledge informed by research-led teaching. The distinct international focus of the programme reflects the increasingly global nature of legal practice.

Indicative Content: International Criminal Law; Professional Development; Criminology and Criminal Justice; Gender, Sexuality and Law: Comparative Perspectives; International Law on Foreign Investment; Information Privacy Law; International Human Rights; World Trade Law; Public Procurement Law; Aircraft Financing; Economic, Social and Cultural Rights; EU External Relations Law and Policy; The Rights of Minorities and Indigenous Peoples; Advocacy Funds Law; Information Technology Law; Islamic Finance Law; Dissertation.

Admission Requirements: Candidates should have a minimum 2.2 grade, honours (level 8) degree in law.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2w6fwRR

I3   LLM (International Business Law)   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The programme will enable law graduates to further their legal education by gaining a systematic understanding of the critical issues at the forefront of select areas of international business law. The programme also aims to develop legal research, reasoning, writing, advocacy, and teamwork skills, which are highly sought after by employers.

Indicative Content: Core – International Law on Foreign Investment; Islamic Finance Law; Professional Development; Dissertation. Options – International Human Rights; World Trade Law; Information Privacy Law; Public Procurement Law; Aircraft Financing; Economic, Social and Cultural Rights; EU External Relations Law and Policy; Advocacy Funds Law; Information Technology Law.

Admission Requirements: Applicants are required to have an undergraduate degree in law (a minimum 2.2 grade, honours (level 8) degree in law (a 'licence', an LLB or equivalent)).

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2N6lysg

Application: **PAC Code: MH52J**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

I4   LLM (International Justice)   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The LLM (International Justice) provides students with critical insights into the international legal system and how it operates to promote and secure justice. It analyses how the international legal order works and how it seeks to address social inequalities and protect vulnerable, marginalised and oppressed groups. The programme draws on law and other disciplines, including sociology, anthropology and political science, to provide students with a comprehensive examination of the challenges facing international justice mechanisms today. Work placement opportunities are available as part the programme with partner civil society organisations including the Irish Council for Civil Liberties, Transparency International, the Irish Penal Reform Trust, Trócaire and Oxfam.

Indicative Content: Core – Public International Law; Professional Development; Dissertation. Options – International Human Rights; International Criminal Law; Gender, Sexuality and Law: Comparative Perspectives; World Trade Law; Economic, Social and Cultural Rights; EU External Relations Law and Policy; The Rights of Minorities and Indigenous Peoples; Advocacy.

Admission Requirements: Applicants must have obtained an honours degree (minimum 2nd class honour) in law or a cognate discipline, such as international relations, social studies, sociology, politics, etc.).

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2BAxGQX

Application: **PAC Code: MH64J**

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

I5   MA in Comparative Criminology and Criminal Justice   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The MA in Comparative Criminology and Criminal Justice gives students the opportunity to develop a specialist knowledge of debates around crime causation and control, within a comparative and international context. Students undertake a wide variety of modules which aim to combine theoretical concepts with real-world problems such as terrorism and organised crime.

Indicative Content: Core – Criminology and Criminal Justice; Research Methods in Criminology; Comparative Criminology; Professional Development; Dissertation. Options – International Human Rights; International Criminal Law; Advocacy; Prison Law and Policy: Global Perspectives; Youth Justice.

Admission Requirements: Applicants must have obtained an honours degree (minimum 2nd class honour) in law or a cognate discipline, such as criminology, sociology, social policy, social studies, history, politics, psychology, etc.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2ByxQbB

Application: **PAC Code: MH66J**

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

I6   LLM in International Criminal Law*   NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: The LLM in International Criminal Law (ICL) will provide students with an advanced understanding of the history and institutional structures of the various international criminal tribunals and the International Criminal Court. It will equip students with an in-depth knowledge of the principles of international criminal law and its component crimes and procedural issues, while also allowing them to develop a critical approach to the relationship between other accountability mechanisms, such as truth commissions.

Indicative Content: <u>Core</u> - Introduction to International Criminal Law; Dissertation. <u>Options</u> – African and Inter-American Regional Systems of Protecting Human Rights; 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; Genocide; How to Argue with an Economist; International Criminal Law; International Criminal Procedure; International Humanitarian Law; International Refugee Law; Introduction to Human Rights Law; Minority Rights; Peace Support Operations; Public International Law; Procedure before International Criminal Courts; Right to Development; Transitional Justice; Women's Rights.

Admission Requirements: Candidates should preferably hold a law degree or an interdisciplinary degree which includes a substantial law component and in which they have attained a minimum Second Class Honours Grade 1 standard or its equivalent.

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

Course Webpage: [shortened as] www.bit.ly/1YbmRqi

Application: **PAC Code: GYL06**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

I7	**LLM (Peace Operations, Humanitarian Law and Conflict)***	**NUIG**

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: <u>Core</u> – International Peace Support Operations; International Humanitarian Law; Dissertation. <u>Options</u> - 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 – 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: <u>Core</u> – Introduction to International Human Rights Law; Dissertation. <u>Options</u> - 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

Application: **PAC Code: GYL00**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

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: <u>Core</u> - Foundational Theoretical Framework for Disability Law and Policy; Dissertation. <u>Options</u> – 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.

Course Webpage: [shortened as] www.bit.ly/1J2PHhs

Application: **PAC Code: GYL11**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie– using the PAC application code shown above.

I10	LLM in International and Comparative Law	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme will allow students to engage meaningfully in comparative legal research using mature comparative law methodology and develop flexibility, adaptability and independence in order to engage productively with a changing, social, cultural and international environment. The programme is very flexible and offers a broad range of modules for students to choose from.

Sample Modules: African Human Rights Law; The Chinese Legal System in Comparative Perspective; Comparative Constitutional Law and Theory; International Criminal Law; International Economic Law; International Humanitarian Law; Islamic Law; Judicial Review and Human Rights: Theory and Practice; Law and Bioethics; Patent Law in the Globalised World; Transitional Justice.

Admission Requirements: A good honours law or law-based interdisciplinary Bachelor degree. Applications will also be considered from exceptional graduates in related disciplines in the Arts, Humanities, and Social Sciences who can convincingly demonstrate that their studies have fully prepared them for the LLM.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2LPVGEb

Application: Apply online via course webpage.

I11	LLM in International and European Business Law	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme seeks to promote critical analysis of, and reflection on, different aspects of national, European and international business law.

Sample Modules: Business and Human Rights; Comparative Elements of Unfair Competition and Trademark Law; Comparative Product Liability; Copyright and Innovation; Globalisation and Law; International Aviation Law; International Business Tax Law; International Dispute Resolution; International Economic Law; Principles

Admission Requirements: A good honours law or law-based interdisciplinary Bachelor degree. Applications will also be considered from exceptional graduates in related disciplines in the Arts, Humanities, and Social Sciences who can convincingly demonstrate that their studies have fully prepared them for the LLM.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2OFKyri

Application: Apply online via course webpage

I12	LLM Laws	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme offers students the opportunity for postgraduate study where they can select modules from a wide range of modules covering many disparate branches of law at national, European and international level. Students can learn about the world of financial services, aviation law or technology law while at the same time having the opportunity to study Islamic law, refugee law or international humanitarian law.

Sample Modules: Advanced Lawyering Techniques; Business and Human Rights; Contemporary Issues in Refugee Law; The Digital Society – Information Technology Law and Society; Freedom of Expression and Intellectual Property Law; International Economic Law; Islamic Law; Law and Risk; National Security Law; Principles of Commercial Arbitration.

Admission Requirements: A good honours law or law-based interdisciplinary Bachelor degree. Applications will also be considered from exceptional graduates in related disciplines in the Arts, Humanities, and Social Sciences who can convincingly demonstrate that their studies have fully prepared them for the LLM.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MknMUc

Application: Apply online via course webpage.

I13	LLM (International Human Rights and Public Policy)*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The course offers students a wide range of human rights law courses taught by leading experts in their field. It includes interdisciplinary teaching and a unique International Human Rights clinical module which focuses on essential human rights lawyering skills, including oral and written advocacy (legal and policy), strategic litigation, fact-finding and development.

Indicative Content: Core - Human Rights Law in Practice; International Human Rights Law and Public Policy; Contemporary Issues in International Law; International Human Rights Law; Thesis. Options – Terrorism and Political Violence; Law of the European Convention on Human Rights; Information Rights Law; Constitutional Law

in Comparative Context; Criminology; Penology; Juvenile Justice; International Children's Rights; International Criminal Law; The Family and the Law; International Refugee Law; Mental Health Law; Climate Change Law and Policy; International Environmental Law; Human Rights; Law of Cybercrime; Environmental Law in Practice; Method in Environmental Law; Enforcement and Sanctions in Antitrust Law; Mental Capacity Law; Legal Regulation of Cohabitation and Emerging Family Forms; Climate Change Law and Policy; Global Maritime Security; International Environmental Law.

Admission Requirements: A law degree with at least a 2:1, or have such other relevant third-level educational qualifications and/or professional experience as, in the opinion of the School of Law, qualifies you to undertake the LLM (International Human Rights Law and Public Policy) degree.

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

Course Webpage: www.ucc.ie/en/ckl27/

Application: **PAC Code: CKL27**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

I14   LLM (Environmental and Natural Resources Law)*   UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The programme offers a wide variety of legal topics ranging across traditional areas of environmental law, policy and regulation, as well as planning and land-use law, heritage protection, international environmental law, marine environmental law, natural resources law and human rights law. The LLM seeks to integrate theoretical and practical aspects of the application of environmental and natural resources law, and to connect module content with legal and regulatory frameworks operating locally, nationally, regionally and globally.

Indicative Content: <u>Core</u> – Business Law in Practice; Dissertation. <u>Options</u> – Information Rights Law; Intellectual Property Law; Electronic Commerce Law; Intellectual Property and Internet Regulation; Consumer Rights: Law and Policy; Law of Secured Lending; Environmental Law in Practice; Method in Environmental Law; Enforcement and Sanctions in Antitrust Law; Contemporary Issues in EU Competition Policy; European Corporate Restructuring, Insolvency and Rescue; IT Law Clinic; Climate Change Law and Policy; Sale, Insurance and Carriage of Goods at Sea; Law of Ship Finance; Financial Institutions and Money Markets; Treasury Risk Management; Regulation and Compliance in Capital Markets; Co-operatives and the Third Sector; Co-operative and Social Enterprise; International Marketing Environment.

Admission Requirements: Applicants must normally hold a Law Degree with at least a 2:1. Candidates with other third level qualifications and/or relevant professional experience are also encouraged to apply.

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

Course Webpage: https://www.ucc.ie/en/ckl48/

Application: **PAC Code: CKL48**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

I15	LLM (Marine and Maritime Law)*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The programme integrates theoretical and practical learning of the law, and connects module contents with marine and maritime activities taking place in Cork, such as marine environmental research, marine renewables, law enforcement at sea, fisheries management, shipping and port activities.

Indicative Content: Admiralty Law; Climate Change and Energy Law; Sale, Insurance and Carriage of Goods at Sea; Ship Finance; Introduction to Law of the Sea; Global Maritime Security; Marine Environmental Law; Port Law; Natural Resources Law; International Environmental Law; Methods of Environmental Law.

Admission Requirements: Applicants normally hold a Law Degree with at least a Second Class Honours Grade 1. Candidates with other third level qualifications and/or relevant professional experience are also encouraged to apply.

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

Course Webpage: https://www.ucc.ie/en/ckl46/

Application: **PAC Code: CKL46**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

I16	MSc in Human Rights*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The MSc in Human Rights is a one-year intensive course that prepares you for a career in human rights research, policy or advocacy in international organisations, governmental and non-governmental bodies, or academia. You will explore the theory, politics and law of human rights and examine the mechanisms and limitations of national and international action to protect human rights.

Indicative Content: Core - Theory of Human Rights; International Human Rights; Politics of Human Rights; Law of the ECHR; Dissertation Design. Options - Politics of Development; Disability and Equality; Asylum and Refugee Law, Politics and Rights; Theories of International Relations; Politics of Development; International Political Theory; Comparative Public Policy; Comparative Public Policy; EU Foreign , Security and Defence Pol.; Governing the Global Economy; Thesis; SPIRe Internship; Principles of Intl. Politics; Gender in Peace and Conflict; The Economics of Sustainable Development; Dissidents and Human Rights Defenders; Political Violence; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Geopolitics of Brexit.

Admission Requirements: A primary degree with at least Second Class Honours Grade 1 (2:1) in a relevant subject.

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

Course Webpage: [shortened as] http://bit.ly/2tgSzKw

Application: Apply online via course webpage

I17   LLM in International Human Rights*   UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The programme qualifies you to work in the field of human rights, either internationally or in Ireland, as a practising lawyer, legal adviser, policy-maker, advocate, researcher or academic. Students will learn to understand and think critically about the intersections between law, politics and international relations that come to the fore in the study of human rights.

Indicative Content: <u>Core</u> – Law of the ECHR; Theory of Human Rights; International Human Rights; Politics of Human Rights; Dissertation. <u>Options</u>: - Human Rights Law and Equality; Media Regulation; Politics of Development; NGOs Law, Governance and Social Change; Desistance, Rehabilitation and Reintegration; Climate Change Law and Policy; Online Regulation; International Criminal Justice; Data Protection and Privacy: European and US Perspectives; Asylum and Refugee: Law, Politics and Rights; White Collar Crime; Patent Law.

Admission Requirements: Normally a minimum 2:1 Honours degree in Law or in an inter-disciplinary degree in which law was a major component.

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

Course Webpage: [shortened as] https://bit.ly/2cYIdYD

Application: Apply online via course webpage

I18   LLM General*   UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The LLM General programme affords you the opportunity to choose any combination of the graduate modules offered by the Sutherland School of Law at UCD. This course enables participants to understand and think critically about various facets of Law. The programme applies knowledge and understanding of Law to real and hypothetical situations. Participants will learn how to conduct independent research and write coherent, well-structured papers.

Indicative Content: <u>Core</u> – General Dissertation. <u>Options</u> – Environmental Law and Policy; Media Regulation; EU Competition Law; Corporate Governance; NGO Law; Law of the ECHR; Digital Investigations and the Law; Law and Governance of the EU; International Tax Law; The Politics of International Law; International Commercial Arbitration; International Competition Law; Regulation of Food Safety; Regulatory Governance; International Human Rights; Climate Change Law and Policy; Online Regulation; International and Transnational Crime; Key Issues in Conflict of Laws; Immigration and Asylum Law; Law of Aviation Finance.

Admission Requirements: Applicants must hold a Law degree, or an inter-disciplinary degree in which law was a major component. Applicants must have achieved at least an upper second class honours (2:1) or equivalent.

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

Course Webpage: [shortened as] https://bit.ly/2ctj9rM

Application: Apply online via course webpage

I19	LLM/MA in Human Rights in Criminal Justice*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The LLM/MA in Human Rights in Criminal Justice is designed to give graduates an understanding of the interaction between human rights and criminal justice in the 21st century and knowledge of the legal actors, supervisory bodies and institutions central to the field. Students will be given an in-depth understanding of the legal regimes operating at national, regional and global levels and sources of human rights law in the field of criminal justice.

Indicative Content: Core - Advanced Legal Research Skills; Dissertation Methodology. Options - Comparative International Protection of Human Rights; Law of the European Convention of Human Rights; Criminal Justice Processes and Sentencing; Comparative and European Criminal Justice; International Criminal Law; Policing and Human Rights; Criminology.

Admission Requirements: Applicants must normally have a second class honours degree, grade 2 (2:2) in law or in a relevant social science. Applicants with a primary degree in law will be awarded an LL.M., whereas all other applicants will be awarded an M.A.

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

Course Webpage: [shortened as] http://bit.ly/2tLGEp1

Application: Apply online via the course webpage.

I20	LLM in International Commercial Law*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The LLM in International Commercial Law immerses the post-graduate student in more detailed aspects of commercial law, as well as developing broadly applicable legal research and other transferable skills. The emphasis is on those areas of law, such as credit and security, intellectual property and competition law, which are critical to the operation of any commercial enterprise in the modern world. The programme also takes account of the increasing internationalisation of commerce with modules in global competition law and international trade organisations.

Indicative Content: Core – Advanced Legal Research Skills; Law of International Trade Organisations; International Business Associations; International Business Transactions; Dissertation Methodology; Dissertation. Options – Global Competition Law; Counter Terrorism Law & International Business; International Protection of Intellectual Property Rights; International Labour Law; Law of Credit and Security; International Tort Law and Business.

Admission Requirements: Minimum second class honours in an undergraduate law degree. In exceptional circumstances an applicant who cannot satisfy the undergraduate requirement may be accepted on the basis of relevant professional experience.

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

Course Webpage: [shortened as] http://bit.ly/2vLxAPY

Application: Apply online via the course webpage.

J

International Relations, Politics, Government, Ethics

J1	MSc in Public Policy*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: The MSc in Public Policy's range of modules equips participants with a range of social science skills, such as quantitative analysis, research design, economics and communications methods to develop, analyse, evaluate and communicate public policies. The programme is capped with an innovative internship on which the dissertation will be based. The internship gives participants the chance to work as a consultant and as part of a team that provides advice to a number of public organisations.

Indicative Content: Core – Public Policy Analysis; Public Law and Political Philosophy; Policy Analysis Exercise; Policy Challenges; Quantitative Methods for Social Sciences; Research Methodology. Options – Delivering Performance Excellence; Environmental Change and World Politics; Criminology; Communicating Policy; EU Institutional Law.

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/2MwSxZB

Application: **PAC Code: DC648**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

J2	MSc in International Relations*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme explores the concepts, forces, and processes underpinning international relations, as well as looking at the role of powerful states, international organisations, legal frameworks, foreign policy, and the international political economy.

Indicative Content: Core – International Relations Theory; Principles of Public International Law; Research Methodology; International Political Economy; Dissertation. Options – Environmental Change and World Politics; Criminology; Postgraduate 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/2MMC5RQ

Application: **PAC Code: DC608**

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

J3   MA in Philosophy, Politics and Economics   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This M.A. brings together at a postgraduate level some of the most important approaches in Philosophy, Politics, and Economics in order to obtain the necessary abilities and understanding to deal with the challenges of globalisation and a globalised economy, democracy and becoming a responsible citizen, by addressing the intrinsic relationships between these subjects. Modules from the Department of Law will also be used, where suitable, to enable the students on an interdisciplinary level to engage with the practical political, social, and economic challenges faced by society today.

Indicative Content: Core – Power, Wealth and Corruption; Dissertation. Options – Microeconomics; Macroeconomics; Fundamentals of Econometrics; Econometrics; Migration and Human Rights; Criminology and Criminal Justice; Information Privacy Law; The Emergence of the Concept of Rights; Social Science Analysis; International Development Theories, Concepts and Debates in their Historical and Social Context; Industrial Organisation; Labour Economics; Economic, Social and Cultural Rights; Political Economy; Qualitative Methods.

Admission Requirements: The degree is targeted at high quality undergraduate students who have obtained at least a 2.2 degree in either PPE, Economics, Philosophy, Politics or a related subject. A Background in Economics is highly recommended.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2BFmtyC

Application: **PAC Code: MHV64**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

J4   MA in Ethics, Culture and Global Change*   NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This programme aims to equip graduates with skills in critical thinking and reflection on issues of global integration and diversity, with relevance in fields from business to public administration to community work. The programme includes a service learning components where students engage in project work for relevant organisations.

Indicative Content: Practical and Professional Ethics; The Hermeneutics of Intercultural Communication; Ethical and Political Concepts; Placement; Research Methods; Dissertation; Thesis; Political Economy, Colonialism, and Globalisation; Literature and Colonialism; Cinema and Colonialism; Ethics and the Environment.

Admission Requirements: A minimum 2:2 Honours degree in Philosophy or a cognate discipline. Applicants whose primary degree is not philosophy will be required to show a sufficient philosophy component in a cognate discipline.

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

Course Webpage: [shortened as] www.bit.ly/dwd30q

Application: **PAC Code: GYA06**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

J5	MSc in International Politics	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The objective of the course is to develop students' knowledge of international politics with a comprehensive empirical approach to understanding many prominent problems in contemporary world politics, especially topics where domestic and international politics cannot be understood in isolation from each other.

Indicative Content: Core – International Conflict; Research Design; Introduction to Quantitative Research Methods; International Politics; Dissertation. Options – Global Justice; International Human Rights Scholarship; US Foreign Policy; International Human Rights Institutions; International Dispute Settlement; Chinese Politics; Politics in Authoritarian Regimes; The Military and Politics.

Admission Requirements: Candidates should normally have achieved an upper second class honour degree or higher from an established university. GPA scores of at least 3.3 out of 4, or equivalent, will be expected from international applicants. A background in a social science will be an advantage but not a necessity. Applications are expected from candidates with a single or joint honours degree in Political Science, Economics, European Studies, History, Sociology, Business and Law.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2hdU6vi

Application: Apply online via www.tcd.ie/courses/postgraduate/how-to-apply

J6	MPhil in International History	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme offers students the chance to pursue historical research outside the bounds of the nation state. The program allows students to immerse themselves in the questions of the past, develop research skills, study foreign languages, and become familiar with scholarship in the fields of transnational, comparative, and global history.

Indicative Content: <u>Core</u> – International History: Methods and Themes; International History Research Seminar; Dissertation. <u>Options</u> – European History; Irish History; Chinese History; U.S. History; Environmental History; Foreign Language (French, Spanish, German, Russian, Polish, Italian or Chinese); International History Methods.

Admission Requirements: Candidates should normally have achieved an upper second class honour degree or higher from an established university. GPA scores of at least 3.3 out of 4, or equivalent, will be expected from international applicants.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2hdU6vi

Application: Apply online via www.tcd.ie/courses/postgraduate/how-to-apply

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J7	MSc in International Public Policy and Diplomacy*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The course will give you access to expertise across a diverse range of subjects and is strongly orientated toward vocational skills training, through coursework and the opportunity to undertake a work placement. The course will be of interest to you if you aspire to a career in, or are already working in, departments of foreign affairs and other government ministries, international political and financial organisations, the armed forces, aid agencies, non-governmental organisations, think-tanks, and international businesses.

Indicative Content: <u>Core</u> – Contemporary Global Politics; EU Political System and Policies; Global Economic Policies and Institutions; Foreign Policy and Diplomacy: Case Studies in Crises and Decision-making; Contemporary Issues in International Law; Introduction to European Union Law; Organisational Dynamics; Dissertation. <u>Options</u> – European Security; Political Science Research Methods; Comparative Political Institutions; Politics and Gender; Political Participation and Mobilisation; International Criminal Law; Global Maritime Security; Human Rights; Revolution, Decolonization & the Arab Spring; Indigenous Worldviews and Minority Religions; Rethinking Borders: Global Challenges to Social Justice.

Admission Requirements: Minimum 2:1 Honours degree in any subject. Consideration may be given to applicants with a 2:2 degree subject to their 'personal statement' and reference, and to others who do not meet the above criteria but who have sufficient relevant professional experience.

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

Course Webpage: https://www.ucc.ie/en/ckd56/

Application: **PAC Code: CKD56**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

J8	MA in International Relations*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The MA in International Relations draws on international relations, conflict/peace studies and international history. The course explores issues such as war and peace, the international order, international crises, counterinsurgency, terrorism and foreign policy. It combines an exploration of the contemporary world with a study of the past. This one-year master's course has both taught and research phases.

Indicative Content: Core – US Foreign Policy and Contemporary History; Issues in World Politics; International Relations Theories and Approaches; Dissertation. Options – Foreign Policy and Diplomacy: Case Studies in Crises and Decision-Making; War and Peace: the European State System from 1648 to 1990; The Politics of Terrorism; Work Placement and Portfolio.

Admission Requirements: Minimum 2:1 Honours degree in any subject. Consideration may be given to applicants with a 2:2 degree. These applicants may be requested to submit a proposal and/or attend an interview.

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

Course Webpage: www.ucc.ie/en/cke45

Application: **PAC Code: CKE45**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. *Additional application information is posted on the course webpage.*

J9	MSc in Government and Politics*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The MSc will enable you to develop your research and analytical skills in the areas of government, political science and public policy. It will also give you a number of other skills, including: data analysis; research, communication and writing skills; policy analysis, critical, systematic and independent thinking; and presentation skills. The work placement will give you a unique opportunity to develop important professional skills and to immediately apply your learning to the professional world.

Indicative Content: Core – Contemporary Global Politics; EU Political System and Policies; Political Science Research Methods; Comparative Political Institutions; Political Participation and Mobilisation; European Democracy, Citizenship and Identity; Core Themes in Political Philosophy. Options - Comparative Political Institutions; Politics and Gender; Political Participation and Mobilisation; Foreign Policy and Diplomacy: Case Studies in Crises and Decision-Making; War and Peace: the European State System from 1648 to 1990; The Politics of Terrorism; Dissertation; Work Placement.

Admission Requirements: An Honours Bachelor's Degree with at least 2.2 Honours (or an equivalent academic or professional qualification) in one of the following areas: Social Science, Arts, Commerce, Law or a related discipline. All applicants will be required to submit a 'personal statement' (indicating why they are interested in taking the MSc Government and Politics, and why they think they would be suited to the programme.

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

Course Webpage: https://www.ucc.ie/en/cke70/

Application: **PAC Code: CKE70**

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

J10   MSc in International Relations*   UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: MSc International Relations probes into the causes and consequences of phenomena such as war, trade, regional integration, migration and terrorism. This programme aims to provide a comprehensive and critical grounding in key issues in politics and international relations and to allow students critically engage with cutting edge issues in the discipline.

Indicative Content: Core – Theories of International Relations; Introduction to Statistics; Dissertation Design; Research Design and Case Study Methods; Political Violence; Thesis. Options – Politics of Development; International Political Theory; Comparative Public Policy; International Political Economy; Comparative European Politics; EU Foreign, Security, and Defence Politics; Governing the Global Economy; Politics of European Governance; Politics of Human Rights; Theory of Human Rights; The Global Political Economy of Europe; Principles of International Politics; Gender in Peace and Conflict; The Economics of Sustainable Development; Capital in the 21st Century; Dissidents and Human Rights Defenders; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Geopolitics of Brexit.

Admission Requirements: Normally a primary degree in a relevant subject with at least 2:1 Honours. Applicants with relevant professional experience may also be considered.

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

Course Webpage: [shortened as] http://bit.ly/2tpCReA

Application: Apply online via course webpage

J11   MA in Politics*   UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The MA Politics degree, which was developed for those who wish to understand the role of politics in shaping the great issues of our day including power and conflict, distribution and inequality, relations between nations, and the new challenges of globalisation, financial crisis, national security, and climate change. The course focuses on the two traditional pillars of the discipline – political theory and comparative politics.

Indicative Content: Core – Comparative European Politics; Dissertation Design; Geopolitics of Brexit. Options – Thesis; SPIRe Internship; Asylum and Refugee: Law, Politics and Rights; Politics of Development; Comparative Public Policy; EU Foreign, Security and Defence Policy; Politics of European Governance; Politics of Human Rights; The Global Political Economy of Europe; Gender in Peace and Conflict; The Economics of Sustainable Development; The Politics of Inequality; Dissidents and Human Rights Defenders; Political Violence; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Political Opinion and Politics; Comparative European Legislatures; Ethnicity and Nationalism; Gender, War and Violence.

Admission Requirements: Normally a primary degree in a relevant subject with at least 2:1 Honours. Applicants with relevant professional experience may also be considered.

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

Course Webpage: [shortened as] http://bit.ly/2tQYesf

Application: Apply online via course webpage

J12	MSc in Politics*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The MA Politics degree, which was developed for those who wish to understand the role of politics in shaping the great issues of our day including power and conflict, distribution and inequality, relations between nations, and the new challenges of globalisation, financial crisis, national security, and climate change. The course focuses on the two traditional pillars of the discipline – political theory and comparative politics.

Indicative Content: Core – Geopolitics of Brexit; Comparative European Politics; Dissertation Design; Introduction to Statistics; Thesis; Research Design and Case Study Methods. Options – Asylum and Refugee: Law, Politics and Rights; Politics of Development; Comparative Public Policy; EU Foreign, Security and Defence Policy; Politics of European Governance; Politics of Human Rights; The Global Political Economy of Europe; Gender in Peace and Conflict; The Economics of Sustainable Development; The Politics of Inequality; Dissidents and Human Rights Defenders; Political Violence; Political Behaviour in the Middle East and North Africa; Psychology of Conflict in the Middle East; Political Opinion and Politics; Comparative European Legislatures; Ethnicity and Nationalism; Gender, War and Violence.

Admission Requirements: A primary degree in a relevant subject with at least 2:1 Honours. Applicants with relevant professional experience may also be considered.

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

Course Webpage: [shortened as] http://bit.ly/2tRfqxQ

Application: Apply online via course webpage.

J13	MA in International Studies*	UL

Study Location: University of Limerick

Course Duration: **1 year**

Course Outline: The MA in International Studies iuses the disciplinary insights provided by international relations theories to investigate and explain contemporary international issues such as terrorism, nuclear proliferation, global inequality and child soldiers. The programme equips students with substantive knowledge about a variety of international political phenomena, competence in the use of social scientific research methods, as well as analytical and transferable skills.

Indicative Content: Core – Seminar in International Relations; Research Methods; Seminar in International Co-operation and Conflict; Dissertation. Options - Development Seminar; Institutions and Policies of European Union; Contemporary Political Theory; Multilevel Governance; Conflict Analysis; Comparative Politics; Peacebuilding; European Governance; External Relations of the EU; Russian and Post-Soviet Politics; Foreign Aid and Development; Global Justice; Representative Democracy in Europe; International Political Economy.

Admission Requirements: Normally a minimum 2:2 degree in a relevant discipline (e.g. economics, history, geography, political science, sociology, European studies, law).

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

Course Webpage: [shortened as] www.bit.ly/19DmgTM

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

J14	MA in Politics*	UL

Study Location: University of Limerick

Course Duration: **1 year**

Course Outline: This is a flexible programme that enables students to tailor the degree to their own interests, skills and future career plans. The programme equips students with substantive knowledge about a variety of political phenomena, competence in the use of scientific research methods as well as analytical and transferable skills.

Indicative Content: Core – Graduate Research Methods; Research Methods (progressing dissertation); Dissertation. Options – Graduate Seminar in Comparative Politics; Graduate Seminar in International Relations; Graduate Seminar in Institutions and Policies of the European Union; Graduate Seminar in Development; Multilevel Governance: concepts and practice; Conflict Analysis, Graduate Seminar in Peacebuilding; Graduate Seminar in European Governance; Graduate Seminar in International Co-operation and Conflict; International Political Economy; External Relations of the European Union; Russian and Post-Soviet Politics; Foreign Aid and Development; Development Practice and Programme Management; Representative Democracy in Europe, Graduate seminar in Contemporary Political Theory, Global Justice.

Admission Requirements: Primary degree in a relevant discipline with First or Second Class Honours or an approved equivalent qualification.

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

Course Webpage: http://www.ul.ie/graduateschool/course/politics-ma

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

K

Engineering, Hydrology, Sustainable Technology

K1   MEng in Civil Engineering (Environment and Energy)   CIT

Study Location: Cork Institute of Technology

Course Duration: 1 year

Course Outline: This programme aims to develop advanced analytical, design, assessment, appraisal and research skills in Civil Engineering in the specialist areas of environmental and energy engineering. The programme content seeks to reflect current and likely future practice and trends in environmental and energy engineering analysis, design, and assessment. It aims to provide the graduate with the advanced conceptual understanding, detailed factual knowledge, specialist technical skills, and an overall holistic awareness of the issues involved that are required for success in modern environmental and energy engineering practice.

Indicative Content: Core – Sustainability in Engineering; Energy Source Analysis; Advanced Hydro & Flood Control; Engineering Research Skills; Ocean Energy Conversion; Environment and Energy Engineering Infrastructure; Biofuel and Biomass Technology; Project Development; Advanced Water Engineering; Advanced Wastewater Eng. Design; Thesis. Options – Strategic Business Management; Contract Admin/Dispute Resolve; Infrastructure Asset Management; Engineering Project Management.

Admission Requirements: A minimum of a Second Class Honours Grade 2 in a professionally accredited Degree Programme in Civil Engineering or a cognate discipline.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRCENEN9

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

K2   MEng in Mechanical and Manufacturing Engineering*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This Programme introduces the use of advanced Computer-Aided Engineering tools and, by experiencing these advanced techniques and software, the graduate will gain a vital edge. It allows the candidate to keep pace with the rapidly changing manufacturing and design sectors. In addition, students can opt for a specialist Major in Sustainable Systems/Energy or Biomedical Engineering.

Indicative Content: Entrepreneurship for Engineers; Finite Element Analysis; Heat Transfer and Fluid Mechanics; Product Design, Development & Value Analysis; Advanced FEA; Surface Engineering & Tribology; Computational Thermo-Fluid Dynamics; Research Practice & Methodology; Manufacturing Process Analysis & Tool Design; Manufacturing Systems Simulation; Project.

Admission Requirements: An undergraduate degree in Mechanical and/or Manufacturing Engineering 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/2vPKsFR

Application: **PAC Code: DC814**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

K3	MSc in Energy Management*	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: The programme will enhance the present and future effectiveness of managers, engineers and scientists by providing an opportunity to study the theory and practice of current developments, laws, standards, technologies, management, economics and finance, associated with European energy and environmental issues. Graduates from the programme will be effective managers of environmental technology with an in-depth awareness of resource management under financial and environmental constraints.

Indicative Content: <u>Core</u> – Business (Organisational Behaviour); Law (Business Law); Financial Decision Making; Energy Supply; Energy Conversion and Use; Energy Management Principles and Practice; Research Methodologies and Dissertation. <u>Options</u> – Business (Strategic Management); Law (Energy & Environment Law and Policy); Financial Management; Wind Energy for Electricity Supply; Advanced Energy Systems; Sustainable Building Design; Power System Analysis; Embedded Generation; Renewable Energy Technologies; Biomass Technology / Bio fuels for Transport; Energy Control Systems; Low Energy Lighting Design.

Admission Requirements: Standard applications: at least a 2.2 award in an Honours Bachelor of Engineering Degree. Applicants holding a qualification or combination of qualifications deemed by the Institute as being of equivalent standard to the above when taken in conjunction with relevant work experience may also be considered

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

Course Webpage: [shortened as] http://bit.ly/2dgb2gG

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

K4	ME in Sustainable Infrastructure	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: The programme consists of 12 taught modules and a Research Project module, and focuses, in particular, sustainability, water engineering, numerical techniques, renewable and sustainable technologies and transport planning with options in advanced structural engineering. It provides specialised skills and knowledge in technical design for Sustainable Infrastructure.

Indicative Content: Entrepreneurship for Engineers; Innovation and Knowledge Management; Research Methods; Statistical Analysis for Engineers; Introduction to Sustainable Infrastructure; Finite Elements in Science and Engineering; Water Resources and Quality Management; Climate Resilient Infrastructure; Transport Planning & Simulation; Traffic Management & Road Safety; Energy Infrastructure; Waste and Environmental Management Systems; Advanced Structural Design; Structural Analysis & Dynamics and Sustainable Infrastructure Research Project; Dissertation.

Admission Requirements: An honours bachelor degree, with a minimum second class honours grade 2, in Civil/Structural/Environmental Engineering or a closely-related discipline. The degree should be of four years duration and accreTUDed by the relevant professional body.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MnpNTT

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

K5	ME in Sustainable Electrical Energy Systems	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: This programme has been planned in response to a need in Industry for a master's degree programme that addresses the technology of sustainable electrical energy systems and the issues surrounding their integration into electrical power systems.

Indicative Content: Core - Research Methods; Entrepreneurship; Statistical Analysis; Innovation and Knowledge Management; Dissertation. Options - Power Electronic Energy Conversion Systems; DSP Platforms; Wind Energy for Electricity Supply; Renewable Energy Technologies; Embedded Generation; Power Systems Analysis 1 and 2; Energy Supply; Gas and Electricity Markets; Energy Conversion Systems.

Admission Requirements: A minimum Second Class Honours accredited degree (2.2 grade or higher) in Electrical or Electronic Engineering or a minimum Second Class Honours accredited degree (2.2 grade or higher) in a related engineering discipline e.g. mechanical, mechatronic or energy engineering.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2d1jqBC

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

K6	ME in Mechanical Engineering	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: The programme consists of 12 taught modules and a Research Project module. The programme focuses on numerical simulation techniques for structural and fluid-flow analyses, renewable and sustainable energy technologies, and biomechanics while also offering modules on innovation and entrepreneurship.

Indicative Content: Entrepreneurship for Engineers; Innovations and Knowledge Management; Research Methods; Statistical Analysis for Engineers; Lean Operations & Continuous Improvement Systems; Finite Element Analysis; Advanced Dynamics with Applied Computer Modelling; Computational Fluid Dynamics; Heat and Mass Transfer; Advanced Energy Engineering Economics; Renewable Energy Engineering; Biomechanics; Research Project.

Admission Requirements: An honours bachelor degree, with a minimum attainment of second class honours grade 2, in mechanical engineering or a closely-related engineering discipline (e.g., manufacturing, chemical, energy etc.).

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] http://bit.ly/2cU8p7l

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

K7	MSc in Electronic and Communications Engineering	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: The aim of this programme is 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 will provide graduates with the knowledge and skills set required to work at a high level within the research, design and development divisions of the telecommunications sector and related areas in the electronics industry.

Indicative Content: Entrepreneurship for Engineers; Research Methods; Statistical Analysis for Engineers; Innovations and Knowledge Management; VLSI Design; Wireless Systems; Advanced Digital Signal Processing; Microelectronic Materials and Devices; Optoelectronics; Energy Conversion & Use; Research Project.

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 strictly on a case-by-case basis.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2dAxdSQ

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

K8	MSc in Quantity Surveying	LIT

Study Location: Limerick Institute of Technology

Course Duration: 1 year

Course Outline: The programme will enable the learner to specialise in one of three aspects of Quantity Surveying, namely, public sector building, civil engineering and mechanical & electrical engineering. The programme will create a progression opportunity for level 8 undergraduates and other learners with a mix of academic qualifications, relevant professional institute membership and experiential learning gained from working within the built environment.

Indicative Content: <u>Core</u> – Project Management; Research Modules. <u>Options</u> – Sustainable Public Building; Sustainable Civil Engineering; Sustainable M&E Engineering.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in a built environment programme.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.lit.ie/Courses/MScQuantitySurveying/default.aspx

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

K9	Master of Civil Engineering*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This course aims to equip Civil Engineers with advanced skills. It is a broad design-focussed programme with three primary elements: (i) advanced core modules in Civil Engineering, (ii) modules on transferrable skills/professional development and (iii) an individual capstone research project.

Indicative Content: <u>Core</u> – Advanced Structures; Integrated Civil Engineering Design; Civil Engineering Project/Thesis; Computational Methods in Civil Engineering. <u>Options</u> – Design of Sustainable Environmental Systems; Transportation Systems and Infrastructure; Offshore and Coastal Engineering; Energy in Buildings; Hydrology and Water Resources Engineering; Hydrological Modelling; Advanced Applied Mathematics for Engineers; Technology Innovation & Entrepreneurship; Project Management; Financial Management; Strategic Management; Polymer Engineering; Advanced Applied Mathematics for Engineers; Earth Observation and Remote Sensing; Advanced Finite Element Methods.

Admission Requirements: Entry to the programme is open to individuals who have Second Class Honours in a Level 8 engineering degree in a related discipline from a recognised university or third level college.

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

Course Webpage: [shortened as] www.bit.ly/1KfsWvO

Application: **PAC Code: GYE19**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie– using the PAC application code shown above.

K10	ME in Energy Systems Engineering*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This course aims to advance students' engineering knowledge. It provides training in advanced technologies in energy systems engineering, transferrable skills for employment and/or a research career in the energy sector, and technology development through an energy systems engineering project.

Indicative Content: <u>Core</u> – Global Change; Renewable Energy Economics and Policy; Energy Systems Engineering Project. <u>Options</u> – Systems Modelling and Simulation; Project Management; Lean Systems; Computing Architecture & Operating Systems; Advanced Energy Systems Engineering; Programming; Research Methods for Engineers; Computational Methods in Engineering Analysis; Technology Innovation & Entrepreneurship; Financial Management; Databases; Advanced Mechanics of Materials; Design of Sustainable Environmental System; Advanced Mechanical Analysis and Design; Advanced Finite Element Methods; Combustion Science and Engineering; Energy in Buildings; Estimates and Costing; Power Systems; Turbomachines and Advanced Fluid Dynamics; Advanced Power Electronics; SmartGrid.

Admission Requirements: Entry to the programme is open to individuals who have Second Class Honours in a Level 8 engineering degree in a related discipline from a recognised university or third level college.

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

Course Webpage: [shortened as] www.bit.ly/1F1D62N

Application: **PAC Code: GYE20**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie– using the PAC application code shown above.

K11	MSc in Water Resources Engineering*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This programme will provide engineers will 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: <u>Core:</u> 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. <u>Options</u>**:** 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 – using the PAC application code shown above.

K12   MSc in Energy Science   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This course is designed for students from science and engineering disciplines who are interested in the science and socio-economics of global energy utilisation. In particular, this course will focus on how that demand is being met and how conventional energy resources and technologies can or cannot be replaced by more sustainable resources and technologies.

Indicative Content: Introduction to Energy Science; Conventional Energy Sources and Technologies; Electric Power Generation and Distribution; Sustainable Energy Sources and Technologies; Sustainable Energy Sources and Technologies.

Admission Requirements: This MSc is suitable for graduates who have achieved an upper second class honours degree or the international equivalent in either a physical science, earth science or engineering subject. However, applications from similarly qualified candidates from other disciplines are welcome if they can demonstrate a sufficient level of knowledge or interest in the Energy sector.

IELTS: Minimum 6.5 overall score required.

Course Webpage: http://www.tcd.ie/courses/energyscience/

Application: Apply online via course webpage.

K13   MSc in Mechanical Engineering   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Mechanical Engineering is designed to provide a flexible route to a Masters qualification for students who have completed a Bachelor's degree. It addresses advanced topics over a wide range of Mechanical and Manufacturing Engineering subjects. Within the MSc, there is a wide range of module options and an excellent opportunity to engage in topical research with leading research groups within the School of Engineering, as an important part of this programme is a research dissertation, which directly builds on some of the content of the modules.

Indicative Content: Core – Research Methods; Research Project. Sample Options – Advanced Materials; Advanced Thermal Fluid Sciences; Micro and Precision Manufacturing; Supply Chain Management; Wind Energy; Energy Policy and Demand; Advanced Spatial Analysis Using GIS; Medical Device Design; Tissue Engineering; Biomechanics; Biomaterials.

Admission Requirements: Candidates for this course must normally hold a first or second class, first division honours Bachelor degree in engineering or a cognate discipline.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2vqU61p

Application: Apply online via course webpage.

K14   MSc in Environmental Engineering   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Environmental Engineering provides education and training to those eager to pursue a career in the protection of the Environment. It aims to develop students with a specialist understanding in the area of Environmental challenges facing the Environment today, and with specialist skills to address these. The course explores the themes of water, air, noise and soil pollution and how we may develop solutions for these challenges to protect the environment and society. The course also incorporates the grand challenges facing Environmental Engineers of this era including climate change, sustainability, and renewable energy.

Indicative Content: Civil Engineering Management; Research Methodology; Research Dissertation; Hydrological Processes and Hydrometry; Spatial Environmental Analysis and Impact Assessment; Air Pollution; Waste Management and Energy Recovery; Water Quality and Hydrological Modelling; Water Resource Planning and Climate Change; Sustainable Water Supply and Sanitation; Water Treatment Technologies; Introduction to Environmental Engineering.

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2voSJ3k

Application: Apply online via course webpage.

K15   MSc in Structural and Geotechnical Engineering   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Structural & Geotechnical Engineering at Trinity is a specialist course aimed at engineering graduates who wish to pursue a career at the top level of Structural Engineering or Geotechnical Engineering. The course explores the field of Structural/Geotechnical Engineering addressing the modern challenges in this industry including: sustainability of buildings and structural materials, earthquakes, bridge design, soil-structure interactions, advanced modelling and analysis of structures.

Indicative Content: Civil Engineering Management; Research Methodology; Research Dissertation; Geotechnical Engineering; Advanced Structural Analysis; Structured Dynamics and Earthquake Engineering; Bridge Engineering; Advanced Concrete Technology; Soil-Structure Interaction; A Unified Theory of Structures; Concrete Durability and Sustainability; Advanced Theory of Structures.

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2neDGom

Application: Apply online via course webpage.

K16   MSc in Sustainable Energy   TCD

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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via course webpage.

K17   MSc in Transport Engineering, Policy & Planning   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Transport Engineering, Policy and Planning provides education and training to the next generation of Transport Professionals. The course aims to equip students with the skills to address the numerous challenges in the transportation field. The course examines areas of transport policy, planning, design, modelling and analysis. The course also incorporates modules addressing issues such as climate change, sustainability, and renewable energy.

Indicative Content: Civil Engineering Management; Research Methodology; Research Dissertation; Transport Engineering; Transport Modelling; Highway Engineering; Applied Transportation Analysis.

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: https://www.tcd.ie/civileng/msc-in-transport-engineering-policy-and-planning/

Application: Apply online via course webpage.

K18	MEngSc Sustainable Energy*	UCC

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 – using the PAC application code shown above.

K19	MEngSc in Electrical & Electronic Engineering*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The aim of the MEngSc programme is to provide advanced coursework with options for a research element or industrial element, and additional professional development coursework. The MEngSc (EEE) has two stream which include coursework only, coursework with a research project, or coursework with an industrial placement.

Indicative Content: Core – Advanced Analogue and Mixed Signal Integrated Circuit Design; Advanced RF Integrated Circuit Design; Advanced VLSI Architectures; Intelligent Sensors and Wireless Sensor Networks; Wireless Communications; Robotics and Mechatronics; Advanced Power Electronics and Electric Drives; Optoelectronics; Adaptive Signal Processing and Advanced Control. Options – Computer Architecture; Biomedical

Design; Microsystems; Nanoelectronics; Innovation, Commercialisation and Entrepreneurship; Research Project; Industrial Placement.

Admission Requirements: Upper second class honours (2.1 grade) or higher degree in Electrical and/or Electronic Engineering, or equivalent engineering qualification.

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

Course Webpage: https://www.ucc.ie/en/ckr47/

Application: **PAC Code: CKR47**
Apply online via The Postgraduate Applications Centre – (PAC) – www.pac.ie – using the PAC application code above.

K20	MEngSc Structural Engineering*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: The programme includes specialist modules in structural dynamics, bridge engineering, structural design and professional engineering. You will also learn how to work in a multidisciplinary setting through combined modules with Architecture students. The programme provides advanced learning in the field of Structural Engineering and will provide you with an ability to identify, formulate, analyse and solve complex structural engineering problems.

Indicative Content: Core – Realising Built Projects; Advanced Structural Analysis & Design; Innovation Leadership; Structural Dynamics; Structural Research Project; Fibre Reinforced Composites; Quantitative Methods for Engineers. Options – Agency Design/Build; Structural Design (Building Construction); Bridge Engineering; Soil Mechanics and Geotechnical Engineering; Construction Management; Engineering Design Project; Energy Systems in Buildings; Professional Engineering (Management); Environmental Assessment and Management.

Admission Requirements: Honours Bachelor's Degree in Engineering or equivalent (with a minimum of 2:2 honours level, or equivalent) and the appropriate prior learning.

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

Course Webpage: [shortened as] http://bit.ly/2ctjjzc

Application: Apply online via course webpage

K21	MSc in Environmental Technology*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programme will enable its students to acquire skills in the areas of environmental engineering, risk assessment, air pollution, waste management, life cycle assessment, buildings and environment, energy systems and sustainable environment. This Masters will provide graduates with the skills to develop

technological solutions for air, water and soil protection and emerging sectors across industry (particularly agri-food and bioresources), consulting companies and regulatory authorities.

Indicative Content: Buildings and Environment; Quantitative Risk Assessment for Human and Animal Health; Environmental Engineering; Life Cycle Assessment; Advanced Air Pollution; Waste to Energy Processes & Technologies; LCA Applications; Research and Teaching Methods; Energy Systems and Sustainable Environment; Thesis.

Admission Requirements: Minimum of a 2nd Class honours degree in Science, Engineering, Agricultural Science, Environmental Science or related discipline.

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

Course Webpage: [shortened as] www.bit.ly/14UK6XV

Application: Apply online via course webpage

K22	MEngSc in Water Waste and Environmental Engineering*	UCD

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

Application: Apply online via course webpage.

K23	MSc in Mathematical Modelling*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: This course will provide training in techniques of applied mathematics, and will focus largely on mathematical models of real world processes, their formulation in terms of differential equations, and methods of solutions, both numerical and analytical, of the models. A focus of the course will be an emphasis on practical problems which arise in industry, commerce, medicine, as well as the environmental and life sciences. In particular, there will be a close alliance between the course and research problems in industrial applied mathematics, which is a principal research strand underpinning MACSI research.

Indicative Content: <u>Core</u> – Advanced Methods; Scientific Computation; Mathematical Geoscience; Mathematical Biology and Physiology; Project. <u>Options</u> – Fundamentals of Continuum Mechanics; Applied Analysis; Mathematics of Natural Phenomena; Perturbation Techniques and Asymptotics; Numerical Partial Differential Equations; Fundamentals of Financial Mathematics; Operations Research; Advanced Data Analysis; Stochastic Processes; Statistical Inference; Introduction to Fluid Mechanics; Dynamical Systems; Mathematical Modelling; Stochastic Differential Equations for Finance; Mathematical & Statistical Models of Investment; Time Series Analysis; Optimisation; Advanced Data Modelling.

Admission Requirements: The minimum entry requirement is a 2:2 undergraduate degree (or equivalent) in mathematics, or any related numerate discipline.

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

Course Webpage: [shortened as] https://bit.ly/2oKTLmH

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

K24	MSc in Advanced Engineering Materials*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: This programme is designed to produce Masters graduates who have an in-depth knowledge of instrumentation involved in Materials analysis and characterisation together with a detailed knowledge of Materials Science, Materials Processing, and Surface Technology. The specialist modules will allow students to become fully briefed in the material science and engineering associated with high strength materials used in the aero-industry or with techniques for materials and coatings selection design, together with the materials selection methods typically employed by engineering consultants.

Indicative Content: <u>Core</u> – Structure of Materials; Advanced Characterisation of Materials; Advanced Materials Processing; Management Systems Standards; Research Challenges in Materials Science; Materials Project 1 and 2. <u>Options</u> – Aerospace Metallic Materials; Composite Materials; Materials Selection and Design; Surface Degradation and Protection.

Admission Requirements: Normally a first or second class honours degree in a related physical science or engineering subject(s) or equivalent prior learning that is recognised by the University as meeting this requirement.

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

Course Webpage: [shortened as] https://bit.ly/2wLlgzR

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

L

Economics, Finance and Accounting

L1   MA in Accounting*   **AIT**

Study Location: Athlone Institute of Technology

Course Duration: 1 year

Course Outline: This course is a challenging one-year taught programme aimed at preparing business graduates for entry into the accountancy profession. On the programme, students will share experiences and knowledge to maximise learning. There is no requirement to complete a dissertation. However a small project is undertaken.

Indicative Content: Financial Reporting and Corporate Governance; Financial Strategy; Auditing; Strategic Management Accounting; Taxation; Personal and Professional Development; Research Methods; Integrated Case Studies; Project.

Admission Requirements: An honours bachelor degree in accounting (minimum grade 2:2) or closely related discipline.

IELTS: Minimum 6.0 overall score required with no section less than 5.5.

Course Webpage: [shortened as] http://bit.ly/2tuvcMe

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

L2   MSc in International Accounting & Finance   **DBS**

Study Location: Dublin Business School

Course Duration: 1 year

Course Outline: The programme is designed to equip you with a high standard of knowledge in the principles, theoretical concepts and practice of accounting and finance. The structure of the MSc in International Accounting and Finance focuses on accounting and finance from a global perspective. International aspects of accounting and finance are at the core of the programme.

Indicative Content: Core – Corporate Financial Management; International Financial Reporting; Quantitative Applications for Finance; Personal and Professional Development; Research Methods I and II; Advanced International Financial Reporting; Strategic Performance Management; Treasury Risk Management; Dissertation. Options – Corporate Governance and Global Accounting Issues; Operation and Governance of Financial Markets.

Admission Requirements: A minimum Second Class Honours (2:2) in a Business degree from a recognised third level institution with Accounting and/or Finance as a main component.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2vtpmNw

Application: Apply online via the course webpage.

L3	MSc in Finance*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This one-year Masters programme is designed to produce the kind of professionals in greatest demand in the financial industry. It does so by fostering analytical and decision making skills and helping you build a set of rigorous competences in financial subjects. You will be exposed to first-class specialist education in financial subjects, develop your quantitative skills, and have the opportunity to learn the latest econometrics and data analysis techniques.

Indicative Content: Core – Quantitative & Research Methods for Finance; Econometrics; Advanced Portfolio Theory; Advanced Quantitative Analysis; Financial Statement Analysis; Asset Pricing; Fixed Income; Financial Markets and Derivatives; Corporate Finance. Options – Risk Management & Modelling; Research Project in Risk Management; Advanced Topics in Capital Marketing; Research Project in Capital Marketing; Energy Markets & Modelling; Research Project in Energy Finance; Research Project.

Admission Requirements: A minimum second class (upper) honours degree (or international equivalent) in a Business-related discipline with a high Finance/Economics/Econometrics/Maths/Stats content.

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/2Mo40LK

Application: **PAC Code: DC511**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

L4	MBS in International Accounting	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 Year

Course Outline: The MBS in International Accounting is designed to build participants expertise in the areas of accounting, finance, taxation, ethics and research. It will equip its graduates to successfully complete the examinations of the major accounting bodies operating in Ireland.

Indicative Content: Financial Reporting; Management Accounting; Finance; Taxation; Auditing; Ethics & Governance; Business Law; Project.

Admission Requirements: An honours bachelor degree (2.2 or higher) with accounting constituting a major part. Those who have made timely progress in their professional examinations may also be considered.

IELTS: Minimum 6.0 overall score required

Course Webpage: [shortened as] www.bit.ly/2dgQBR7

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

| L5 | MSc in Accounting and Finance Management | GCD |

Study Location: Griffith College Dublin

Course Duration: 1 year

Course Outline: Students will advance their functional management competencies in finance and accounting, and will develop and refine transferable interpersonal and leadership skills which they can bring to the workplace. Students will also gain the experience of working in culturally diverse teams across a multicultural environment promoting a greater understanding of different business settings and contexts.

Indicative Content: Core – Management Accounting and Control; International Strategy; International Financial Management; International Financial Reporting and Analysis; Audit and Assurance; Legal Environment and Corporate Governance; Business Research Methods; Strategic Managerial Finance; Dissertation. Options – Taxation (IRL); International Tax Law; Business Planning and Entrepreneurship; Leadership and Management Development; eBusiness and eMarketing; Technology and Business Innovation.

Admission Requirements: Honours degree in the field of accounting and finance (minimum 2:2).

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2v5sxHV

Application: Apply online from the course webpage.

| L6 | MSc in Economic and Financial Risk Analysis* | MU |

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 – using the PAC application code shown above.

L7   MSc in Finance   NCI

Study Location: National College of Ireland

Course Duration: 1 year

Course Outline: Graduates will be accomplished in the application of advanced quantitative tools and financial models and techniques within a range of business and financial settings. In particular, the course will provide graduates with the techniques and applied knowledge necessary to select, analyse and utilise advanced financial concepts within the setting of investment management and capital markets.

Indicative Content: Core – Financial Statement Analysis; Economics; Asset Valuation; Quantitative Methods in Finance; Portfolio Management; Derivatives and Risk Management; Quantitative Analysis for Finance; Corporate Finance; Applied Security Analysis; Capstone Seminar Series; Financial Regulation; Ethics and Governance; Dissertation. Options – Strategic Management and the Global Environment; Financial and Quantitative Modelling.

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

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2vAGRN5

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

L8   MSc in FinTech   NCI

Study Location: National College of Ireland

Course Duration: 1 year

Course Outline: This course will provide you with the latest knowledge and competencies at the intersection of finance and technology; the rapidly evolving area that is FinTech. The interdisciplinary course will appeal to graduates of finance, computing and business seeking to enter the area of FinTech; and industry practitioners seeking to gain insightful experience and exposure to the FinTech domain and its associated areas of, for example, data analytics, electronic services, e-Cash, as well as related future and emerging technologies.

Indicative Content: Core – Introduction to Financial Markets; Information Assurance and Cybersecurity; Data Analytics; Data Governance and Compliance; Contemporary Topics; Financial Analytics; Blockchain Technologies; Entrepreneurship in FinTech. Options – Digital Forensics and Auditing; Crowd Markets; Research Project; Industry Based Research Project.

Admission Requirements: Minimum of a 2:2 honours degree or its equivalent in one or more of the following domains: computing science, finance, business or economics. Cognate disciplines will also be considered. Note that applicants lacking both a clear financial and technology component may still be eligible, but will be subject to review. This programme has a BYOD (Bring Your Own Device) policy. Specifically, students are expected to successfully participate in lectures, laboratories and projects using a laptop computer with a substantial hardware configuration. A suitable configuration is 6GB of RAM (8GB or more are recommended); a 64-bit x86 processor

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2PaUV6M

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

L9	MEconSc in Natural Resource Economics and Policy*	NUIG

Study Location: NUI Galway

Course Duration: 1 year

Course Outline: This course is for students with an interest in the environment who want to influence how natural resources will be used in the future. During the course, students acquire analytical skills to address major environmental challenges such as sustainable development of natural resources, environmental governance or climate change.

Indicative Content: Core - Microeconomic Theory; Data Management and Survey Techniques; Cost Benefit Analysis and Evaluation; Natural Resource Governance; Econometrics; Economic Modelling; Public Sector Economics; Dissertation. Options – Renewable Energy Economics and Policy.

Admission Requirements: Normally a minimum 2:1 Honours primary degree which included the study of economics to intermediate level.

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

Course Webpage: [shortened as] www.bit.ly/1aJDeob

Application: **PAC Code: GYC09**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

L10	MSc in Economics*	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Economics focuses on developing the core technical skills needed to undertake research in economics. It emphasises active and problem-based learning to ensure mastery of the basic skills.

Indicative Content: Theories of Consumption and Investment; Economic Growth; Consumption and Production; Game Theory; Econometrics I and II; Monetary Policy and the New Keynesian Business Cycle; International Macroeconomics; International Finance; Development Economics and Experiments; Spatial Economics and Big Data; Topic in Political Economy; Research Project.

Admission Requirements: Candidates should normally hold at least an upper second-class honors degree that has a significant quantitative component. Applications are expected from candidates with single or joint honors Economics degrees, Business or BComm degrees with final-year Economics options, and Maths, Physics, Computer Science or Engineering graduates.

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

Course Webpage: https://www.tcd.ie/Economics/postgraduate/msc-economics/

Application: Apply online via course webpage.

L11	MSc in Finance*	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme is designed to help students develop the skills they need to excel in their chosen career within finance. Highly interactive lessons will provoke discussion and provide opportunities to develop presentation skills, deal with real-life case studies and work in group assignments.

Indicative Content: Core – International Financial Statement Analysis; Corporate Finance; Derivatives; Econometrics; Credit and Fixed Income Instruments; Investment Theory; Advanced Statement Analysis; Portfolio and Wealth Management; Dissertation. Sample Options – Financial Markets & Institutions; Trading Psychology & Behavioural Analysis; Panel & Cross Sectional Data Analysis; Enterprise Risk Management; Policy Issues in the International Economic System; Ethical Business; Governance International Tax and NMEs.

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

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

Course Webpage: https://www.tcd.ie/business/msc/finance/

Application: Apply online via course webpage.

L12	MSc in Financial Risk Management*	TCD

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.

L13   MSc in Economic and Enterprise Development*   UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The course enables you to develop the skills of an economist by offering you the opportunity to work with leading businesses and policymakers on the competitiveness challenges and opportunities they face.

Indicative Content: Growth and Change; Business Development and the Competitive Environment; Innovation and Creativity; Econometrics for Research; Economic Data Analysis for Research; Research Methods; Career Development Workshop; Scenario Analysis for Creative Thinking; Research Thesis.

Admission Requirements: Minimum 2.2 honours degree in economics.

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

Course Webpage: https://www.ucc.ie/en/cke25/

Application: **PAC Code: CKE25**
Apply online via The Postgraduate Applications Centre – (PAC) – www.pac.ie – using the PAC application code above.

L14   MSc in Finance (Banking and Risk Management)*   UCC

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 – using the PAC application code above.

L15	MSc in Business Economics*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: This course equips you with the key skills for career development in the ever-changing business world. This is a research-orientated course, which is both theoretically grounded and evidence-based. The focus is on analysing, understanding and explaining business performance in a competitive environment. Through the focused taught courses and conducting your own research, you learn how to explain and apply core theories, empirical methods and a range of analytical tools that are relevant and transferable to a range of fundamental business issues.

Indicative Content: Economics of Business Strategy; Analysing General Business Conditions; Financial Economics and Business Strategy; Scenario Analysis and Forecasting for Business Development; Research Methods for Business Economics; Business Survey Methods; Research Workshops and Professional Development; Business Economics Report

Admission Requirements: Applicants must have a minimum 2.2 honours grade in a primary degree (or equivalent).

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

Course Webpages: www.ucc.ie/en/ckl06

Application: **PAC Code: CKL06**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

L16	MSc in Applied Economics*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This programme is aimed at students who wish to develop a deep understanding of economic principles and an ability to apply these principles in a variety of circumstances. Due to its technical and cumulative nature (where current topics build on material covered in undergraduate programmes), we encourage our students to have strong quantitative skills and to be active, motivated, and autonomous learners.

Indicative Content: <u>Core</u> - Macroeconomics; Microeconomics; Econometrics; Preliminary Maths and Stats; Research Skills. <u>Options</u> – Advanced Econometrics; Advanced Macroeconometrics; Advanced Microeconometrics; Behavioural Economics; Energy Economics and Policy; Research and Professional Development; Professional Development; Health and Welfare Economics; Behavioural Economics and Policy Implications; Experiments in Economics; Economics of Competition and Regulatory Policy; Development Economics; Economics Internship; MSc Thesis; Intro to Development Economics; Advanced Issues in European Competition Law; Environmental Economics.

Admission Requirements: A primary degree with at least an upper second class honours or international equivalent in Economics, or in another degree that has strong theoretical and quantitative content such as Maths, Physics, Engineering or Computer Science is required.

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

Course Webpage: [shortened as] https://bit.ly/2Nq12Tw

Application: Apply online via course webpage

L17	MSc in Finance*		UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This course is especially suitable for graduates with an educational track record in business, economics, finance or any degree with a significant quantitative element. A wide-ranging curriculum develops and tests graduates' comprehension of management principles, market operations and functions, and the risks inherent in investment management, enabling them to comprehend the entire management and strategic contexts in which financial decision-making is taken. Students learn about financial processes and procedures as well as the knowledge and skills (both professional and personal) necessary for a career in financial services, from investment and commercial banks through to insurance companies and trading houses. In the summer term, students can choose from some summer term modules, or a research project, or in a small number of cases, from a limited number of possible internships.

Indicative Content: <u>Core</u> – Financial Econometrics; Derivative Securities; Corporate Financial Management; Quantitative Methods; Capital Markets & Instruments; Financial Asset Valuation; Strategic Finance; Behavioural Finance; Empirical Finance; Portfolio & Risk Management. <u>Options</u> – Advanced Treasury Management; Management of Banking Institutions; Applied Investment Management; Research Project; Mergers & Acquisitions; Financial Modelling; Aircraft Finance.

Admission Requirements: Second class honours degree (2:2 grade) or higher in Business/Commerce (with quantitative subjects), Economics, Finance, Engineering, Mathematics, Physics or Finance-related area, or a primary degree with a minimum of three years' work experience in Finance. Admission to this course is usually highly competitive.

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

Course Webpage: [shortened as] http://bit.ly/2ljQRpQ

Application: Apply online via the course webpage.

L18	**Master of Accounting***	**UCDMS**

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: The programme is designed for top graduates who have majored in business, accounting and finance and who wish to pursue a career in accounting, corporate finance, management consulting, and taxation either within the profession or with local or multinational companies. Our focus is not just on the development of technical skills but also on the development of complex problem-solving, critical thinking and softer people skills.

Indicative Content: Core – Financial Reporting; Taxation; Management Accounting; Auditing and Assurance; Accounting Analytics; Advanced Financial Accounting; Business Valuation and Analysis; Professional Development; Integrative Analysis in Accounting. Options – Capstone Project; Taxation Summer School; Corporate Governance and Ethics; The Science of Teams; Current Issues in Accounting Practice; Globalisation and Social Movement.

Admission Requirements: A first class honours Business degree or equivalent. Admission to this course is usually highly competitive.

IELTS: Minimum 7.5 overall score required with no section less than 6.5.

Course Webpage: [shortened as] https://bit.ly/2OPV0wy

Application: Apply online via the course webpage.

L19	**MSc in Renewable Energy & Environmental Finance***	**UCDMS**

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. 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.

| L20 | MSc in Strategic Management Accounting* | UCDMS |

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: The course develops the necessary skills and knowledge to analyse business strategy and how business works, provide the relevant information required for business and strategic decisions, integrate the "people side" of numbers, and manage successful strategy implementation.

Indicative Content: Core - Performance Measurement and Management; Management Control Systems; Current Issues in Performance Measurement and Control; Strategic Corporate Finance; Corporate Governance and Ethics; Strategic Management; Current Issues in Financial Reporting and Analysis; Organisational Behaviour; Risk Management; Project Management. Semester 3 - Internship OR Research Project OR Two Summer Modules.

Admission Requirements: A first class or second class honours grade 1 Business degree. Applicants are required to have a strong background in management accounting, financial accounting, finance, taxation and related subjects. In general, applicants are required to have successfully completed 30 credits (e.g. 6 modules x 5 credits) in these subjects in their qualifying primary or postgraduate degree.

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

Course Webpage: [shortened as] https://bit.ly/2i8FU5X

Application: Apply online via course webpage.

| L21 | MSc in Economic and Policy Analysis* | UL |

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The MSc in Economics and Policy Analysis at UL is specifically designed to equip students with the practical skills required for a career in economics. The programme has a strong applied public policy focus which will prepare graduates for positions that require the application of economic knowledge and practical skills. The programme also incorporates an international field trip element. Previous trips have included visits to the OECD, the European Investment Bank, the European Stability Mechanism and the European Commission.

Indicative Content: Microeconomics Theory; Macroeconomic Theory; Evolution of Economic Theory; Applied Data for Economics; Preliminary Mathematics & Statistics for Economics; Global Finance & Capital Markets; Data Management for Policy Analysis & Evaluation; Econometrics; Public Finance & Regulation; Industrial Policy: Theory, Practice & Evaluation; Labour & Education Economics; International Business Workshop; Dissertation; Professional Development.

Admission Requirements: A minimum 2:2 honours primary degree in economics or a programme where economics is a major component (for example, business/commerce). An interview may form part of the application process.

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

Course webpage: [shortened as] https://bit.ly/2ok7D78

Application: Apply online via course webpage.

M

Management and Business

| **M1** | **Master of Business*** | **AIT** |

Study Location: Athlone Institute of Technology

Course Duration: 1 year

Course Outline: This masters in designed for students who have graduated from a broad spectrum of business and related degree programmes who wish to upgrade and enhance their knowledge and skills to avail of global business opportunities. Central to the course design is engagement with external businesses and organisations. You will also gain a deeper understanding of businesses and the environments they operate in, as well as skills such as marketing, strategic analysis and information systems.

Indicative Content: International Corporate Strategy; Services Marketing Management; New Venture Creation and Growth; Business Model Development; Information Systems for Managers; Innovation & Creativity; Personal and Professional Development; Research Methods; Research Project.

Admission Requirements: Students are expected to have a minimum of a Bachelor Degree in business or a cognate discipline at 2.2 level or an approved equivalent qualification.

IELTS: Minimum 6.0 overall score required with no section less than 5.5.

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

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

| **M2** | **MA in Human Resource Management** | **CIT** |

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.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRBHRMN9

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

M3   MSc in International Business   CIT

Study Location: Cork Institute of Technology

Course Duration: 1 year

Course Outline: Students build upon their own discipline (science, engineering, computing etc) to develop solid understanding of Business Development, Internationalisation and Innovation in an interesting educational environment. Students will expand their business knowledge and skills through simulation, guest speakers and an international trip. Students will also undertake an industry consultancy project which will prepare them for opportunities in the workplace. The programme is an excellent opportunity for students who want to complement their degree with business skills.

Indicative Content: <u>Core</u> – Global Marketing Management; Financial Management & Systems for International Business; Innovation; Strategic Thinking; International Selling & Business Development; Sustainable Marketing Practice; Seminar Series; International Study Trip; Economics of Global Markets; Business Environment Simulation; Applied Business Project. <u>Options</u> - People Management Strategies for International Business; Customer Experience Design; Technology Management in Global Business; Digital Environment.

Admission Requirements: A minimum 2:2 Honours Degree in a non-cognate area. All areas where the specialism is **not** business, Marketing, Accounting/Finance or Business Information Systems will be considered

IELTS: Minimum 6.5 overall score required.

Course Webpage: http://www.cit.ie/course/CRBIBUS9

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

M4   MA in Global Business Practice   CIT

Study Location: Cork Institute of Technology

Course Duration: 1 year

Course Outline: The programme is aimed at those with existing business degrees and develops knowledge & Insight relating to areas that are of particular importance for businesses operating globally. This can include small, medium and large companies who may be involved in the movement and development of goods, service or labour across multiple territories. Skills and knowledge developed relate to operations management, supply chain and logistics, procurement as well as broader themes like strategy and innovation which also underpin success in global business.

Indicative Content: Global Competitive Strategies; Operations Strategy; Business Relationship Management; International Business Negotiation; Financial Interpretation; Innovation Practice; Purchasing and Logistics; International Study Trip; Business Simulation; Trade Regulation & Policy; Seminar Series; Placement.

Admission Requirements: A minimum 2:2 (or equivalent) in an Honours Degree in a business area.

IELTS: Minimum 6.5 overall score required.

Course Webpage: http://www.cit.ie/course/CRBGLBP9

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

M5	MSc in Digital Marketing	DBS

Study Location: Dublin Business School

Course Duration: 1 year

Course Outline: The programme aims to develop learners' knowledge of the theory and practice of Digital Marketing necessary for them to secure employment and perform at postgraduate level in the areas of ICT /Digital Marketing in a broad range of commercial, industrial and public sector environments. Graduates will have an in-depth knowledge of the practical and theoretical aspects of Digital Marketing. This programme accommodates a wide audience of learners whose specific interests in Digital Marketing may be either technically focused or strategy focused.

Indicative Content: Core – E-Business; Strategic Digital Marketing; Digital Design & Development; Digital Advertising and Online Marketing Communications; Inbound Marketing; Data & Digital Marketing Analytics; Research Methods. Options – Dissertation; Applied Project.

Admission Requirements: A minimum Second Class Honours Degree (2:2) in a cognate discipline from a recognised third level institution, or an equivalent professional qualification such as MMII.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MtZvvb

Application: Apply online via the course webpage.

M6	MSc in Marketing	DBS

Study Location: Dublin Business School

Course Duration: 1 year

Course Outline: The programme is academically challenging and strategically relevant in advanced marketing and will equip students with current and emerging theories that inform and comment upon the new practices of marketing within the digital media arena. The MSc in Marketing is a programme which has been purposely created to meet the needs of recently qualified business or marketing graduates.

Indicative Content: Core – Strategic Marketing Management; The Changing Consumer; Personal & Professional Development; Research Methods I and II; Integration Marketing Communications in a Digital Age; Dissertation. Options – Strategic Selling/Global Marketing; Marketing Innovations; Developing Digital Media; Web Marketing Practice.

Admission Requirements: A minimum Second Class Honours Degree (2:2) in a Level 8 Business degree from a recognised third level institution. If an individual holds a non-business Level 8 degree but has three years marketing experience, they may also be considered.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2M7osAA

Application: Apply online via the course webpage.

M7   MSc in Marketing – Digital Media   DBS

Study Location: Dublin Business School

Course Duration: 1 year

Course Outline: This specialist MSc in Marketing (Digital Media Stream) programme will equip students with the knowledge and skills necessary at senior level marketing positions in an ever changing digital environment. The programme is academically challenging and strategically relevant in advanced marketing and will equip students with current and emerging theories that inform and comment upon the new practices of marketing within the digital media arena.

Indicative Content: Core – Strategic Marketing Management; The Changing Consumer; Personal & Professional Development; Research Methods I and II; Integration Marketing Communications in a Digital Age; Developing Digital Media; Web Marketing Practice; Dissertation.

Admission Requirements: A minimum Second Class Honours Degree (2:2) in a Level 8 Business degree from a recognised third level institution. If an individual holds a non-business Level 8 degree but has three years marketing experience, they may also be considered.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2M7osAA

Application: Apply online via the course webpage.

M8   MSc in Management Practice   DBS

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

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via the course webpage.

M9	MSc in Human Resource Management*	DCU

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 – using the PAC application code shown above.

M10	MSc in Management (Business)*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: The MSc in Management (Business) is designed for people who do not have an undergraduate degree in management or business, but who would like to have a thorough preparation for a career in management. You'll be introduced to the core disciplines of business such as accounting, economics, HRM and marketing, while developing the range of skills necessary to operate successfully in a business environment. These include analytical, technical, team-working, presentation, report writing and communication skills.

Indicative Content: Core – Accounting for Business Decision Making; Economics; Finance; Consulting Skills; People Management & Development; Marketing; Data Analytics & Visualisation; Next Generation Management; Business

Process Innovation; Technology Management; Business Strategy. Options – Practicum-Applied Research; Dissertation.

Admission Requirements: A second class honours grade 1 degree in a discipline other than Business, or an equivalent international qualification. If you have achieved a second class honours grade 2 honours degree in a non-Business discipline, you may still obtain a place. This will depend on the availability of places. You may be invited for interview.

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/2OJ6uB5

Application: **PAC Code: DC510**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

M11	MSc in Strategic Management	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: This programme is suited to high-potential applicants who wish to develop their capabilities in the field of strategic management. The programme is open to recent graduates as well as experienced managers. Graduates of this programme will be well placed to undertake strategic planning for businesses whether they are in the public, private or voluntary sectors.

Indicative Content: Core - Strategy and Leadership 1 and 2; Analytical tools for Business Management; Corporate Finance; Business Research Methods; Strategic Marketing; Project and Consultancy Management; Understanding and Leading Organisations. Options - Financial Services; Innovation; Retail Management; Marketing; Human Resources Management; Supply Chain Management, Company Project, Dissertation.

Admission Requirements: Graduates in business, economics (or an undergraduate programme where business subjects account for at least 50% of the subjects) who have achieved an Honours degree at grade 2:2 grade or higher.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] www.bit.ly/2cKaR1w

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

M12	MSc in Supply Chain Management	TUD

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: <u>Core</u> – 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. <u>Options</u> – 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.

IELTS: Minimum 6.0 overall score required.

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

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

M13 MSc in Pharmaceutical Business and Technology	GCD

Study Location: Griffith College Dublin

Course Duration: 1 year

Course Outline: The course will focus on core competencies such as pharmaceutical processes and production, pharmaceutical business introduction & technology transfer, emerging trends, operational excellence (Lean & Six Sigma), regulatory affairs, data analytics, strategic thinking and leadership development.

Course Suitability: Science and Engineering graduates seeking to work in R & D Project Management, Production/Supervisory Management or Quality/Regulatory Control.

Indicative Content: Process, Production & Pharmaceutical Quality; 21st Century Dynamics & Emerging Trends; Regulatory Landscape of Pharmaceutical Business; Clinical Research Management; Pharmaceutical Technology Transfer; Strategy, Leadership & the Culture of Innovation; Operational Excellence & the Science of Innovation; Research Methods; Dissertation.

Admission Requirements: Minimum qualification of higher degree (minimum 2:2 or higher) in Science, Engineering or Quality or related discipline.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] <u>http://bit.ly/2uOgu6u</u>

Application: Apply online via the course webpage.

M14 MSc in International Pharmaceutical Business Management	GCD

Study Location: Griffith College Dublin

Course Duration: 1 year

Course Outline: The programme develops learners' abilities to research current trends and developments in the Pharmaceutical Business Management Industry and to develop their knowledge, skill and competencies to work in this dynamic business arena across multiple industries, whether they are service or manufacturing oriented.

Indicative Content: International Strategy; International Marketing Management; Globalisation and Corporate Responsibility; Marketing Management for Pharmaceutical Marketers; Business and Technology Innovation in the Pharmaceutical Industry; International Financial Accounting; Management Accounting and Control; Leadership and Management Development; Business Research Methods; Commercial and Financial considerations in the Pharmaceutical Industry; Pharmaceutical Technologies and Product Release.

Admission Requirements: (i) An Honours Degree, 2:2H or higher, in Pharmacy, Science or equivalent discipline; or (ii) an Honours Degree, 2:2H or higher, in business or related discipline, with at least three years Pharmaceutical related industry experience.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2vMm7PS

Application: Apply online via the course webpage.

M15 MSc in Digital Marketing	ITC

Study Location:　　　　Institute of Technology, Carlow

Course Duration:　　　1 year

Course Outline: This Masters course is designed to help learners identify the strategic implications of digital era marketing and to create and implement effective digital marketing strategies.

Indicative Content: Strategic Marketing Management; Digital Marketing Technologies; Digital Marketing Landscape & Strategy; Marketing Communications in a Digital Era; Design, User Experience & Content Writing; Data Analytics & Consumer Insights; Digital Marketing Research Project

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in Marketing or a business discipline, Computer Science or cognate courses.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2w9e8Nz

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

M16 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.

IELTS: Minimum 6.0 overall score required.

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

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

M17	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.

IELTS: Minimum 6.0 overall score required.

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

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

M18	Master of Business	ITC

Study Location: Institute of Technology, Carlow

Course Duration: 1 year

Course Outline: This postgraduate programme brings theory to life through its exciting work placement element and applied learning focus, enabling participants to apply acquired knowledge and competencies in a real-world workplace environment. The industrial placement is of four months duration, from May to August, and affords the student a unique opportunity to implement and reflect on the theories learned on the programme. It will complement the student's education and broaden his/her skill set.

Indicative Content: Leadership & Strategy; Corporate Governance, Ethics & Social; Responsibility; Research Methods; Financial Analysis & Investment Appraisal; Dissertation; Strategic Marketing Management; Strategic Human Resource Management; Entrepreneurship & Innovation Management; Communications for Professional Life; Work Placement.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in Business.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MCJeHO

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

M19	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.

IELTS: Minimum 6.0 overall score required.

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

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

M20	MSc in Business Management*	MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: This programme provides key business insights and career management skills to both non-Business graduates and experienced professionals who do not have an undergraduate degree. Through its course content and programme delivery, students access leading business ideas and skills and work alongside managers in the workplace to apply management theory, research, and design business solutions.

Indicative Content: International Business; People, Organisation and Society; Strategic Management; Career Planning and Development; Global Operations and Supply Chain Management; Marketing; Financial Management; Actionable Insights Through Research; Placement Project.

Admission Requirements: The MSc in Business Management is designed for candidates who do not have a previous Business qualification. Candidates should have a minimum 2.2 grade, honours degree in a non-Business discipline or equivalent.

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

Course Webpage: [shortened as] https://bit.ly/2wWRIhZ

Application: **PAC Code: MH52D**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

M21	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 – using the PAC application code shown above.

M22	MSc in Management	NCI

Study Location: National College of Ireland

Course Duration: 1 year

Course Outline: The MSc in Management has been developed to satisfy the demand for courses which combine a strong theoretical foundation with a firm focus on practical application. You will be exposed to the most current schools of thought in disciplines such as international business, finance, marketing, entrepreneurship and strategy. The course also provides a series of elective modules for students to explore other areas of interest or to emphasise their development on a specific area of their choice.

Indicative Content: <u>Core</u> – Managing the Organisation; Financial Management; Marketing Management; Research Methods; International Business; Economics for Management; Strategy for Decision Making; Dissertation. <u>Options</u> – Strategic Management of Human Capital; Commercial Law; Corporate Governance Business Ethics & CSR; Contemporary Issues in Global Finance; Entrepreneurship; Services Marketing; Strategic ICT & eBusiness Implementation; Global Value Chain Management; Management of Innovation & Technology; Doing Business on the Cloud; Strategic Project Management; Employment Law.

Admission Requirements: Minimum of a 2:2 honours degree in either a cognate or non-cognate area

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2HkZ2Jq

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

M23 MSc in International Business	NCI

Study Location: National College of Ireland

Course Duration: 1 year

Course Outline: The MSc in International Business has been specifically designed for those wishing to gain deeper knowledge of the international business environment as both employees or as owner/managers of businesses operating internationally. The course is aimed at anyone following a career path which requires them to step into middle to top management positions in an internationally focused business environment.

Indicative Content: <u>Core</u> – Managing the Organisation; Corporate Governance Business Ethics & CSR; Research Methods; MNEs and the Global Business Environment; Marketing in the Global Environment; Contemporary Issues in Global Finance; Economics for Management; Strategy for Decision Making; Dissertation. <u>Options</u> – Services Marketing; Marketing Management; Strategic Management of Human Capital; Employment Law; Commercial Law; Strategic ICT & eBusiness Implementation; Strategic Project Management; Management of Innovation & Technology; Global Value Chain Management; Doing Business on the Cloud.

Admission Requirements: Minimum of a 2:2 honours degree in either a cognate or non-cognate area

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2KYAfeS

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

M24   MSc in Human Resource Management*   **NUIG**

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/1ihIlAV

Application: **PAC Code: GYC02**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

M25   MSc in Management*   **TCD**

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: Designed primarily for non-business graduates, this programme complements your undergraduate degree and equips you with the management skills necessary to succeed in today's globalised business environment. The course covers all the key facets of management, from managing people to finance to strategic planning and operations.

Indicative Content: Financial Management; Marketing Management; Operations Management; Entrepreneurship; Negotiation Theory and Practice; Ethical Business; Strategic Management; Human Resource Management; Work & Wellbeing; Leading Change in a Complex World; The Psychology of Management; Research Methods; Dissertation.

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

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

Course Webpage: https://www.tcd.ie/business/msc/management/structure.php

Application: Apply online via course webpage.

M26   MSc in International Management*   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme is designed for those in their early career who have an undergraduate degree in business or a related discipline. We focus on developing young managers who want to pursue international careers. The international cohort of classmates focus on learning cutting-edge global business skills and international management theory. Students will spend a week in Fudan University in Shanghai undertaking a residency programme in Global Business Strategy.

Indicative Content: Core – International Business Strategy, Theory; Global Brand Management; Research Methods; Economics for Global Markets; International Entrepreneurship; International Business Strategy, Practice; Cross Cultural Management; International HRM; Dissertation. Options – Project Management; Social Entrepreneurship; Global Supply Chain Management; Ethical Business; International Sales & Marketing; Negotiation Theory; Applied International Strategy.

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

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

Course Webpage: https://www.tcd.ie/business/msc/intl-management/

Application: Apply online via course webpage.

M27   MSc in Human Resource Management*   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The MSc in Human Resource Management is designed for students who do not have a business background. The structure of the programme is designed to build student's knowledge and understanding of human resource management and also provide students great opportunities to go beyond the classroom and empower them to learn Human Resource Management in real organisations. Students are offered the opportunity to conduct either a research dissertation or a company based project which again build students' capability to apply theory into practice.

Indicative Content: Human Resource Management; Performance and Rewards Management; Managing Employment Relations; Organisation Design and Development; Developing Skills for Business Leadership; Learning and Development; Managing Diversity in Organisations; Researching Human Resource Management; Human Resource Management in a Complex World; Strategic and International Human Resource Management; Ethics, Business and Society; Dissertation.

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

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

Course Webpage: https://www.tcd.ie/business/msc/human-resource-management/

Application: Apply online via course webpage.

M28   MSc in Business Information and Analytics Systems*   UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The MSc BIAS provides students with a specialism in Business Analytics as well as an extensive knowledge of business and IS concepts. At the core of this programme is a selection of topics covering cloud technologies, Business Intelligence and Business Analytics, IT performance management, data management and IT project management. A research project will allow student groups to explore and develop an IT solution to a specific business problem in an area specific to the Business Information and Analytics area.

Indicative Content: Cloud Technology; Data Acquisition and Management; Project Management; IT and Organisational Performance; Enterprise Business Processes; Design thinking for the Business Analyst; Business Data Strategy; Data Visualisation; Business Analytics and Business Intelligence; Cognitive Decision Making and DSS.

Admission Requirements: A 2.2 primary degree or equivalent, with appropriate information systems or computing technology skills content. You may also be admitted to the course on the basis of extensive practical or professional experience, as deemed appropriate by the Professor of Business Information Systems and the School of Business.

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

Course Webpage: https://www.ucc.ie/en/ckl51/

Application: **PAC Code: CKL51**
Apply online via The Postgraduate Applications Centre – (PAC) – www.pac.ie – using the PAC application code above.

M29   MSc in Digital Innovation*   UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This full time Masters has been designed to enable technologists and future business leaders to manage IT in business and to drive technology-based innovation in a digital society. It addresses technology-centric transformation in business and society. The careful balance of theory and practice within the course prepares graduates to enter the world of digital innovation and for current professionals to progress further in their career.

Indicative Content: Core – Design, Development and Creativity; Skills for Business Enquiry; Managing Strategy and Innovation in a Digital Era; Cultural and Political Perspectives on Managing Technology and Change; Outsourcing and Offshoring; Implementing Digital Projects; Research Project. Options – Knowledge, ICT &

Organisation; Global Information Systems; Game Thinking: Games and Play in a Digital World; Economics of IT & Digital Markets. Options from other streams may also be available.

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

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

Course Webpage: [shortened as] https://bit.ly/2zbkcIY

Application: Apply online via course webpage.

M30	MSc in Digital Marketing*	UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This full-time Masters course is aimed at graduates who wish to develop a deep understanding and high level of competence in the application of digital marketing tools and techniques. The careful balance of theory and practice within the course is designed to make graduates fully prepared to enter the digital marketing industry or, in the case of professionals, progress further in their career.

Indicative Content: Core – Corporate Marketing Strategy; Consumers in a Digital Age; Consumer Insights & Analytics; Omnichannel Marketing Communications; Digital Marketing Project. Options – Advanced SEO and SEA; Social Media Marketing; Digital Technology & Design; Brand Management in Digital Age; Digital Business Model & eCommerce; eCRM; Advanced Analytics & Big Data; Digital Business Model & eCommerce.

Admission Requirements: A minimum second-class honours degree (or equivalent) in Business/Commerce, Marketing, Psychology, Computer Science or a related area, or a primary degree with a minimum of three years' work experience in a Marketing role

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

Course Webpage: [shortened as] https://bit.ly/2OTeYqo

Application: Apply online via course webpage.

M31	MSc in Business Analytics*	UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This programme is suitable for graduates from technical disciplines such as Engineering, Computer Science and Mathematics with a talent for and interest in finding mathematical or computer solutions to business problems. It is also suitable for business graduates who have studied Management Information Systems (MIS) subjects. This technically-oriented course hones quantitative and computer techniques to assist students in exploring management issues and supporting decision-making within a business context.

Indicative Content: <u>Core</u> – Introduction to Business Analytics; Optimisation in Business; Data Mining; Consulting, Change and Project Management; Hot Topics in Analytics; Capstone Project. <u>Options</u> – Statistics and Simulation Methods; Programming for Analytics; Data Management; Advanced Operations Research; Smart Systems; Decision and Behavioural Analytics; Statistical Learning; Business Intelligence and Visual Analytics.

Admission Requirements: A minimum second class honours primary degree (or equivalent) which includes quantitative techniques, including Engineering, Computer Science and other Sciences. Applicants with a Business studies background need to have taken MIS-Management Information Systems subjects, Maths or other quantitative courses. A student may be asked to undertake the GMAT or GRE at the Director's discretion.

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

Course Webpage: [shortened as] https://bit.ly/2EU91mP

Application: Apply online via course webpage.

M32 MSc in Food Business Strategy*	UCDMS

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.

M33 MSc in Management*	UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This course includes the areas of banking and finance, marketing, management, Management Information Systems (MIS), law, entrepreneurship, human resource management. It aims to deliver a well-rounded knowledge of the theories, practices and skills of business and management and develop interpersonal,

communication and leadership skills. Students are taught to identify and solve business problems in local and international settings.

Indicative Content: Business Information Systems Management; Management and Organisational Behaviour; Corporate Finance; Human Resource Management; Accounting Information for Managers; Strategic Management. Global Strategic Marketing; Business Information Systems Management; Business and Financial Environments.

Admission Requirements: A minimum second-class honours degree (or equivalent). Applicants who do not meet this entry requirements may be considered on a case by case basis, dependent on work experience and/or other qualifications.

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

Course Webpage: [shortened as] https://bit.ly/2zT5iEE

Application: Apply online via course webpage.

M34 MSc in Marketing Practice*	UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: Suitable for graduates from both business and non-business backgrounds, the course is designed to transform graduates into competent marketing professionals. The teaching approach and objectives of this course are based around Action Learning – students learn by doing throughout the duration of the course and at the service of actual organisations.

Indicative Content: Developing and Communicating Customer Value Proposition; Strategic Marketing Management; Account Management: Selling and Relationship Skills; Digital Marketing; Applied Marketing Projects; Professional Development; Action Learning Project.

Admission Requirements: Candidates must have an honours degree in Business or another discipline. Candidates must also go through a three-stage interview process and submit a short statement entitled "Why I should be accepted on the MSc Marketing Practice Degree." Acceptance is subject to demonstration of an aptitude in marketing.

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

Course Webpage: [shortened as] https://bit.ly/2OkqKZG

Application: Apply online via course webpage.

M35 MSc in International Business*	UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This course offers the perfect match for students with an international background and profile who are seeking to build a business career in today's increasingly globalised market place. It is designed to provide you with the knowledge, skills and competencies required to operate in the global market place. On completing this course, you will be expected to be able to critically appraise the theory and practice of international business and demonstrate your expertise and competence in meeting the challenges and opportunities (professional and personal) of international business.

Indicative Content: <u>Core</u> – International Business Management; Cross Cultural Management; Global Marketing; International Financial Management; Global Competitive Strategies; International Business Dissertation. <u>Options</u> – Economics of Entrepreneurship; Project Management; Mindfulness & Resilience at Work; Creativity Innovation & Entrepreneurship; Technology & Innovation Strategies; International Business consultancy Project; Managing Leadership and Coaching Change; Managing Workplace Learning; The Science of Teams; Globalisation and Social Movements; Technology and Innovation Strategy.

Admission Requirements: A minimum second-class honours degree (or equivalent) in Business, Commerce, Business Administration, International Economics (where a number of business modules were taken in that Economics degree) or a closely related area, or a primary degree with a minimum of three years' relevant work experience.

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

Course Webpage: [shortened as] https://bit.ly/2EcXM8w

Application: Apply online via course webpage.

M36   MSc in Marketing*   UCDMS

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: The MSc in Marketing at UCD equips students with the theoretical knowledge, analytical skills, and methodologies necessary for successful careers in marketing. The programme has strong ties with industry, and a central element for which it is noted is a Major Marketing Project for which students work on marketing strategies for leading global companies such as P&G, Unilever, Danone, Mondeléz and PepsiCo.

Indicative Content: <u>Core</u> – Corporate Marketing Strategy; Consumers in a Digital Age; Consumer Insights and Analytics; Omnichannel Marketing Communications; Marketing Project. <u>Options</u> – Brand Management; Sales Management; Shopper Marketing; Leading Corporate Reputation; Behavioural Insights in Value Creation; Data-Driven Marketing; Marketing for Social Change.

Admission Requirements: A minimum second-class honours degree (or equivalent) in Business/Commerce, Marketing, Psychology or a related area, or a primary degree with a minimum of three years' relevant work experience.

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

Course Webpage: [shortened as] https://bit.ly/2AKZJg1

Application: Apply online via course webpage.

| M37 | MSc in Management Consultancy* | UCDMS |

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: The MSc in Management Consultancy provides a detailed understanding of the consulting industry - how it works, its dominant players, key success factors and the management issues that drive it, how and when to use different consulting tools and methodologies, how to write a consulting proposal and other key skills needed to be a successful management consultant. Guest speakers from the consulting industry, including recent course graduates, provide additional insight and expertise.

Indicative Content: <u>Core</u> – Economic Foundations of Strategy; Management Consulting Principles; Organisational Behaviour; Diagnostic Techniques in Consulting; Managing Organisational Change; Project Management; Management Consultancy Research Project. <u>Options</u> – Economics of Entrepreneurship; Creativity, Innovations & Entrepreneurship; Management Consultancy Internship; Contemporary Issues in Strategic Management; Technology & Innovation Strategy; Mindfulness & Resilience at Work.

Admission Requirements: Suitable for students with an undergraduate degree in Business, Economics or Engineering, although other backgrounds may be considered in some case, or a primary degree with a minimum of three years' relevant work experience.

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

Course Webpage: [shortened as] https://bit.ly/2zTM8hM

Application: Apply online via course webpage.

| M38 | MSc in Project Management* | UCDMS |

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: This course prepares you for a career in management of projects in different industries and types of organisations. Real-life case examples and group projects are used as examples to reinforce your understanding. You will also be given the opportunity to carry out projects with various types of organisations and experience the reality of achieving the project goals and managing different stakeholders, using the knowledge as well as tools and techniques acquired during the course.

Indicative Content: The Project Management Lifecycle; Projects and Organisational Dynamics; Projects & Organisational Dynamics; Project Scope and Feasibility Evaluation; Procurement and Contract Management; Project Management Tools and Techniques; Research Report.

Admission Requirements: A minimum second-class honours degree (or equivalent) in in Business / Commerce, Computer Science, Engineering, Social Science, Economics, Science, Physics, Architecture or a related discipline, or a primary degree (or equivalent) with a minimum of three years' relevant business work experience. Admission to this course is usually highly competitive.

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

Course Webpage: [shortened as] https://bit.ly/2JPB6Cf

Application: Apply online via course webpage.

M39   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.

M40   MSc in Supply Chain Management*   **UCDMS**

Study Location: University College Dublin, Michael Smurfit Business School

Course Duration: 1 year

Course Outline: The course offers both a solid academic grounding in the concepts and practices of Supply Chain Management and direct contact with the experience and expertise of professionals from the field.

Indicative Content: Core – Supply Chain Sustainability; Supply Chain Operations; Procurement & Supplier Management; Negotiation for Supply Chain Managers; Supply Chain Analytics; Project and Supply Chain Management; Supply Chain Consulting Report. Options – Managing, Leading and Coaching Change; Cross-Cultural Management; Leadership & Team Management.

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 in Supply Chain Management.

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

Course Webpage: [shortened as] https://bit.ly/2M9Sxi8

Application: Apply online via course webpage.

M41	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

Application: Apply online via course webpage.

M42	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 <u>other than</u> 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] <u>www.bit.ly/17TW06w</u>

Application: Apply online from the course webpage

N

Information & Communication Technology

N1	MSc in Data Analytics*	AIT

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.

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

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

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

N2	MSc in Software Engineering*	AIT

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.

IELTS: Minimum 6.0 overall score required with no section less than 5.5.

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

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

N3　　MSc in Information Security　　　　　　　　　　　　　　　　　　　　　CIT

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.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRKINFS9

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

N4　　MSc in Artificial Intelligence　　　　　　　　　　　　　　　　　　　　CIT

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.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRKARIN9

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

N5	MSc in Data Science and Analytics	CIT

Study Location: Cork Institute of Technology

Course Duration: 15 months

Course Outline: In Semester 1, the learner acquires the necessary foundation in Mathematics, Statistics and Computer Science. From Semester 2, the specialisation into the "Big Data" space takes effect, and the learning experience is geared specifically for the realisation of Level 9 programme outcomes. In Semester 3, the learner undertakes a 30 credit capstone project module, in which they apply the knowledge, skills and competences acquired in the taught modules to the research and development of a Data Science problem, and successfully complete the project in accordance with a project plan.

Indicative Content: Data Science and Analytics; Mathematical Methods and Modelling; Data Management Systems; Unstructured Data & Visualisation; Analytical and Scientific Programming; Applied Stats & Probability; Statistical Data Analysis; Data Visualisation & Analytics; Distributed Data Management; Time Series & Factor Analysis; Applied Machine Learning; Research Methods; Research Project.

Admission Requirements: A minimum 2:1 honours degree. Alternatively, graduates with a 2:2 Honours degree will be considered, subject to having three years relevant experience.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRSDAAN9

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

N6	MSc in Information Systems with Computing	DBS

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2npEG9q

Application: Apply online via the course webpage.

N7	MSc in Computing (Data Analytics)	DCU

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.

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

Application: **PAC Code: DC836**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. Additional application information is posted on the course webpage.

N8	MSc in Computing (Cloud Computing)	DCU

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.

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

Application: PAC Code:
DC836
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. Additional application information is posted on the course webpage.

N9	MSc in Computing (Software Engineering)	DCU

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.

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

Application: PAC Code: DC836
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. Additional application information is posted on the course webpage.

N10	MSc in Computing (Security and Forensic Computing)	DCU

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.

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

Application: **PAC   Code:**
DC836
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above. Additional application information is posted on the course webpage.

N11	MEng in Electronic and Computer Engineering (General Award)*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is at the highest European Master's degree level. It offers advanced-level courses in the theory, analysis, design, modelling and manufacturing of electronic and computer systems.

Indicative Content: Choose any 8 of the following modules - Object-oriented Programming for Engineers; Communications Theory; Wireless and Mobile Communications; Image Processing & Analysis with Project; Solid-State Electronics and Semiconductor Devices; Network Performance; Data Network Protocols: Analysis and Simulation; Data Analysis & Machine Learning; Real-Time Digital Signal Processing; Renewable Energy: Systems, Technology and Economics; HDL/High Level Logic Synthesis; Fundamentals of Nanoelectronics Technology; Web Application Development; Bioelectronics; Optical Communications System Design; Mechatronic System Simulation & Control; Transmission Lines, RF Propagation & Radio Link Design; 3D Interface Technologies; Fundamentals of Photonic Devices; Entrepreneurship for Engineers; Fundamentals of Device Manufacturing; Connected Embedded Systems; Network Analysis & Dimensioning; Secure Sys Admin and Internetwork Security; Computer Vision; Network Stack Implementation.

Admission Requirements: A Primary Honours degree with an award of H2:2 or higher in Electronic/Electrical/Computer Engineering, Applied Physics, Computer Sciences or other Engineering disciplines.

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

Course Webpage: [shortened as] https://bit.ly/2wbv85J

Application: **PAC Code: DC883**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N12	MEng in Electronic and Computer Engineering (Nanotechnology)*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is at the highest European Master's degree level. It offers advanced-level courses in the theory, analysis, design, modelling and manufacturing of electronic and computer systems. This Major focuses on the skills and knowledge required to produce functional electronic and photonic devices and

constituent structures of nanometre dimensions. It will also provide graduates with expertise in modern semiconductor manufacturing practices, methodologies and technologies.

Indicative Content: <u>Core</u> – HDL/High Level Logic Synthesis; Fundamentals of Nanoelectronics Technology; Web Application Development; Bioelectronics; Fundamentals of Device Manufacturing; Nanotechnology Project. <u>Options</u> – Object-oriented Programming for Engineers; Communications Theory; Wireless and Mobile Communications; Image Processing & Analysis with Project; Solid-State Electronics and Semiconductor Devices; Network Performance; Data Network Protocols: Analysis and Simulation; Data Analysis & Machine Learning; Real-Time Digital Signal Processing; Renewable Energy: Systems, Technology and Economics; Optical Communications System Design; Mechatronic System Simulation & Control; Transmission Lines, RF Propagation & Radio Link Design; 3D Interface Technologies; Fundamentals of Photonic Devices; Entrepreneurship for Engineers; ; Connected Embedded Systems; Network Analysis & Dimensioning; Secure Sys Admin and Internetwork Security; Computer Vision; Network Stack Implementation.

Admission Requirements: A Primary Honours degree with an award of H2:2 or higher in Electronic/Electrical/Computer Engineering, Applied Physics, Computer Sciences or other Engineering disciplines.

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

Course Webpage: [shortened as] https://bit.ly/2vLk9AO

Application: **PAC Code: DC883**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N13	MEng in Electronic and Computer Engineering (Advanced Data Networks)*	DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is at the highest European Master's degree level. It offers advanced-level courses in the theory, analysis, design, modelling and manufacturing of electronic and computer systems. Graduates of this Major will be equipped with the skills and expertise required to implement tomorrow's networking protocols on network devices and user equipment. Indicative topics covered are wireless networking, mesh networks, peer-to-peer networking, sensor networks, and future technologies in these areas.

Indicative Content: <u>Core</u> – Network Performance; Data Network Protocols: Analysis and Simulation; Network Analysis & Dimensioning; Network Stack Implementation; Networks Project. <u>Options</u> – Object-oriented Programming for Engineers; Communications Theory; Wireless and Mobile Communications; Image Processing & Analysis with Project; Solid-State Electronics and Semiconductor Devices; Data Analysis & Machine Learning; Real-Time Digital Signal Processing; Renewable Energy: Systems, Technology and Economics; Optical Communications System Design; Mechatronic System Simulation & Control; Transmission Lines, RF Propagation & Radio Link Design; 3D Interface Technologies; Fundamentals of Photonic Devices; Entrepreneurship for Engineers; Connected Embedded Systems; Secure Sys Admin and Internetwork Security; Computer Vision; HDL/High Level Logic Synthesis; Fundamentals of Nanoelectronics Technology; Web Application Development; Bioelectronics; Fundamentals of Device Manufacturing; Nanotechnology Project.

Admission Requirements: A Primary Honours degree with an award of H2:2 or higher in Electronic/Electrical/Computer Engineering, Applied Physics, Computer Sciences or other Engineering disciplines.

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

Course Webpage: [shortened as] https://bit.ly/2vLk9AO

Application: **PAC Code: DC883**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown
above.

N14   MEng in Electronic and Computer Engineering (Internet of Things)*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is at the highest European Master's degree level. It offers advanced-level courses
in the theory, analysis, design, modelling and manufacturing of electronic and computer systems. This Major will
provide graduates with knowledge, skills and competencies in the areas of real-time signal processing, data
analysis and machine learning, connected embedded systems and network programming.

Indicative Content: Core – Connected Embedded Systems; Data Analysis & Machine Learning; Real-Time Digital
Signal Processing; Network Stack Implementation; IoT Project. Options – Object-oriented Programming for
Engineers; Communications Theory; Wireless and Mobile Communications; Image Processing & Analysis with
Project; Solid-State Electronics and Semiconductor Devices; Renewable Energy: Systems, Technology and
Economics; Optical Communications System Design; Mechatronic System Simulation & Control; Transmission
Lines, RF Propagation & Radio Link Design; 3D Interface Technologies; Fundamentals of Photonic Devices;
Entrepreneurship for Engineers; Secure Sys Admin and Internetwork Security; Computer Vision; HDL/High Level
Logic Synthesis; Fundamentals of Nanoelectronics Technology; Web Application Development; Bioelectronics;
Fundamentals of Device Manufacturing; Network Performance; Data Network Protocols: Analysis and Simulation;
Network Analysis & Dimensioning.

Admission Requirements: A Primary Honours degree with an award of H2:2 or higher in
Electronic/Electrical/Computer Engineering, Applied Physics, Computer Sciences or other Engineering disciplines.

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

Course Webpage: [shortened as] https://bit.ly/2vLk9AO

Application: **PAC Code: DC883**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown
above.

N15   MEng in Electronic and Computer Engineering (Image Processing & Analysis)*   DCU

Study Location: Dublin City University

Course Duration: 1 year

Course Outline: This programme is at the highest European Master's degree level. It offers advanced-level courses
in the theory, analysis, design, modelling and manufacturing of electronic and computer systems. Image & video
analysis is a core skill currently driving much of the recent AI advances by both leading multinationals and
innovative startups. This major will address this ever popular skill set by modules that cover traditional signal

processing, data analytics, feature extraction, machine learning and the highly sought after core expertise of deep learning for computer vision.

Indicative Content: <u>Core</u> – Entrepreneurship for Engineers; Computer Vision; Data Analysis & Machine Learning; Real-Time Digital Signal Processing; Image Processing Project. <u>Options</u> – Object-oriented Programming for Engineers; Communications Theory; Wireless and Mobile Communications; Image Processing & Analysis with Project; Solid-State Electronics and Semiconductor Devices; Renewable Energy: Systems, Technology and Economics; Optical Communications System Design; Mechatronic System Simulation & Control; Transmission Lines, RF Propagation & Radio Link Design; 3D Interface Technologies; Fundamentals of Photonic Devices; Secure Sys Admin and Internetwork Security; HDL/High Level Logic Synthesis; Fundamentals of Nanoelectronics Technology; Web Application Development; Bioelectronics; Fundamentals of Device Manufacturing; Network Performance; Data Network Protocols: Analysis and Simulation; Network Analysis & Dimensioning; Connected Embedded Systems; Network Stack Implementation.

Admission Requirements: A Primary Honours degree with an award of H2:2 or higher in Electronic/Electrical/Computer Engineering, Applied Physics, Computer Sciences or other Engineering disciplines.

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

Course Webpage: [shortened as] https://bit.ly/2vLk9AO

Application: **PAC Code: DC883**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N16	MSc in Computing (Data Analytics)*	TUD

Study Location: Dublin Institute of Technology

Course Duration: 14 months

Course Outline: This programme is designed to create hybrid technologists to work in the growing and important area of data analytics. Data analytics is the science of extracting actionable insight from large amounts of raw data. Hybrid technologists are graduates equipped with deep technical skills (in data management, data mining, probability and statistics, and machine learning), but also with the softer skills (in communications, research and problem solving) required to work effectively within organisations.

Indicative Content: <u>Core</u> - 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. <u>Options</u> - 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/2a6jTA4

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

N17   MSc in Computing (Advanced Software Development)*   TUD

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.

N18   MSc in Electronic and Communications Engineering   TUD

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

IELTS: Minimum 6.0 overall score required.

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

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

N19   MSc in Computing   GCD

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 mater 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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply via the course webpage.

N20   MSc in Applied Digital Media   GCD

Study Location: Griffith College Dublin

Course Duration: 1 year

Course Outline: This MSc degree course takes students through the skills needed to produce professional media work to the highest standards. The relevant professional applications will be taught in a 'learn by doing' format and students will leave the programme with a portfolio of their practical work. In photography, video, audio, animation, the Internet itself, in design and in multimedia presentation, knowledge of creative media software applications is the key to productivity and success, the programme teaches how to create multimedia applications using digital technology.

Indicative Content: Core – Business of Digital Media; Interaction Design; Multimedia Programming; Game Design and Development; Research Methods; Digital Media and Society; Visual Communication; Web Authoring; Dissertation. Options – Desktop Publishing; eLearning; 3D Modelling & Animation; Server Side Web Development and Databases; Video Production; Digital Storytelling; Theories and Principles of Animation.

Admission Requirements: Candidates applying for this course should have a Honours degree 2:2 or above in any discipline or international equivalent and/or relevant work experience.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2wp7g1b

Application: Apply via the course webpage.

N21   MSc in Big Data Management and Analytics   GCD

Study Location: Griffith College Dublin

Course Duration: 1 year

Course Outline: Designed specifically to address a growing need in the industry, the MSc in Big Data Management and Analytics at Griffith College is a 1 year programme which aims to build upon students' knowledge of computing science and create big data specialists.

Indicative Content: Big Data Analytics; Information Retrieval and Web Search; Concurrent and Parallel Programming; Cloud Computing; Big Data Management; Data Mining Algorithms and Techniques; Applied Data Science; Research Methods; Dissertation.

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

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2baGxbO

Application: Apply via the course webpage.

N22   MSc in Network and Information Security   GCD

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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply via the course webpage.

N23   MSc in Computing (Applied Cyber Security)   ITB

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.

IELTS: Minimum 6.0 overall score required.

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

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

N24   MEng in Internet of Things Technologies   ITB

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.

IELTS: Minimum 6.0 overall score required.

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

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

N25	MSc in Data Science	ITC

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).

IELTS: Minimum 6.0 overall score required.

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

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

N26	MSc in IT-Enabled Innovation*	MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The MSc in IT-Enabled Innovation is aimed at both Business and non-Business graduates**.** This course develops the capacity for participants to understand how IT operates both as a function and as a key interrelated resource within an organisational context. This involves understanding people, work processes, relationships, organisation structures, and organisation strategies, and how all of these impact on and are impacted by Information Technology.

Indicative Content: IT Governance, Performance and Risk; Digital Business; Strategic Management; Career Planning and Development; Contemporary Issues in IT; IT Skills and Capabilities: Digital Enablement; Financial Management; Actionable Insights Through Research; Placement Project.

Admission Requirements: This programme assumes no prior knowledge of IT, Business or Management topics. Candidates should have a minimum 2.2 grade, honours degree.

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

Course Webpage: [shortened as] https://bit.ly/2BBqNin

N27   MSc in Computer Science (Software Engineering)   MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The Master of Science in Software Engineering degree at Maynooth University exposes graduates in Computer Science and related disciplines to the many facets of this complex area – the technical, the methodological, the organisational – so that successful participants will subsequently be able to lead major projects in software engineering in many industrial and commercial sectors.

Indicative Content: Core – Advanced Concepts in Object-Oriented Programming; Rigorous Software Process; The Mathematics & Theory of Computer Science; Project. Options – Requirements Engineering & System Design; Software Testing; Practical Cryptography; Databases; Interaction Design; Internet Solutions Engineering.

Admission Requirements: An honours degree in Computer Science or a closely related discipline, containing significant Computer Science content. An average grade of at least 60% (equivalent to a 2:1) or above.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2BDyOmH

N28   MEng in Digital Health and Medical Technologies   MU/DCU

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2PxfwlS

Application: **PAC Code: 3U02F**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N29	MSc in Cyber Security	NCI

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.

IELTS: Minimum 6.0 overall score required.

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

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

N30	MSc in Cloud Computing	NCI

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.

IELTS: Minimum 6.0 overall score required.

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

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

N31	MSc in Data Analytics	NCI

Study Location: National College of Ireland

Course Duration: 1 year

Course Outline: The course structure accommodates a wide audience of learners whose specific interests in data analytics may be either technically focused or business focused. All students will also gain exposure to pertinent legal issues and product commercialisation considerations associated with the data analytics field. The course will be delivered using academic research, industry-defined practical problems, and case studies.

Indicative Content: Core – Statistics for Data Analytics; Data Warehousing and Business Intelligence; Strategic ICT & eBusiness Implementation; Advanced Data Mining; Data Visualisation; Research in Computing; Research Project. Options – Managing the Organisation; Data Storage and Management; Programming for Data Analytics; Analytical CRM.

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

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MkNOLv

Application: Download an application form from www.ncirl.ie/International/How-to-Apply and email to admissions@ncirl.ie.

N32	MSc in Information Systems Management*	NUIG

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 – using the PAC application code shown above

N33	MSc in Computer Science (Data Science)	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme combines statistics, cloud and security technologies with data management. It covers all key aspects of the field: how to securely store and manage data, how to visualise and analyse at scale and how to use analysis to make decisions. Graduates of this strand will be equipped to tackle the huge challenges and opportunities that the big-data revolution is bringing to all aspects of life; in IT, health, transport, science and engineering to name but a few.

Indicative Content: Machine Learning; Data Analytics; Research Methods; Innovation; Scalable Computing; Optimisation Algorithms for Data Analysis; Applied Statistical Modelling; Data Visualisation; Security & Privacy; 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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2fZ0Qyy

Application: Apply online via course webpage

N34	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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via course webpage

N35	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.

IELTS: Minimum 6.5 overall score required.

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

Application: Apply online via course webpage

N36	MSc in Computer Science (Augmented & Virtual Reality)	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This programme equips students with the theoretical and practical knowledge to enable them to participate in the design and development of the technology that underpins fast moving video game market as well as providing transferable skills relevant for careers in the wider industries of interactive entertainment, new media and communication.

Indicative Content: Core – Machine Learning; Research Methods; Innovation; Computer Vision; Mathematics of Light & Sound; Real-Time Rendering; Augmented Reality; Real-Time Animation; Advanced Software Engineering; Dissertation. Options – Computer Graphics; Digital Media Systems.

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MuPxKc

Application: Apply online via course webpage

N37   MSc in Electronic Information Engineering   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: This is a taught master's course which aims to equip graduates with a deep knowledge and understanding of the design tools for modern computational products and systems. Graduates specialise in fundamental theory and applications relating to the generation, distribution, analysis and use of information in engineering and science. Students may select from a number of 5th year MAI and MSc level courses to attain the credits sufficient for the award.

Indicative Content: Core – Research Project/Dissertation; Research Methods; Statistical Signal Processing; Introduction to Deep Learning. Options – Speech and Audio Engineering; Spatial Audio; Audio Production Engineering; Digital Media Systems; Wireless Networks and Communications; Complex Systems Science; Reconfigurable Hardware for Computational Engineering.

Admission Requirements: Admission is normally restricted to graduates who have achieved an upper second class honours degree (2:1), or better, in engineering, science, computing, statistics, mathematics or a related discipline. Well-qualified candidates or industry professionals from other numerate disciplines who have sufficient knowledge of computational aspects of engineering and science, may also be considered.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2M1b3K7

Application: Apply online via course webpage.

N38   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

Application: **PAC Code: CKL18**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N39	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

Application: **PAC Code: CKRO5**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

N40	MSc in Data Science and Analytics*	UCC

Study Location: University College Cork

Course Duration: 1 year

Course Outline: The combination of sophisticated computing and statistics modules will develop skills in database management, programming, summarisation, modelling and interpretation of data. The programme provides

graduates with an opportunity, through development of a research project, to investigate the more applied elements of the disciplines.

Indicative Content: <u>Core</u> – Data Mining; Foundations of Statistical Data Analytics; Generalised Linear Modelling Techniques; Dissertation in Data Analytics. <u>Options</u> – Introduction to Relational Databases; Database Design and Administration; Database Technology; Information Storage and Retrieval; Optimisation; Analysis of Networks and Complex Systems; Internet Computing for Data Science; Stochastic Modelling Techniques; Multivariate Methods for Data Analysis; Operations Research; Stochastic Decision Science; Large-Scale Application Development and Integration; Programming in Python.

Admission Requirements: Second class honours (2:1 grade) or higher degree in computer science or mathematical sciences, or in a degree with a strong numerate content (e.g. engineering, finance, physics, biosciences or economics). Applicants who do not meet this standard will also be considered if they have an undergraduate degree and a minimum of 5 years verifiable relevant industrial experience.

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

Course Webpage: https://www.ucc.ie/en/ckr49/

Application: **PAC Code: CKR49**
Apply online via The Postgraduate Applications Centre – (PAC) – www.pac.ie – using the PAC application code above.

N41   MSc in Computing Science*   **UCC**

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: <u>Core</u> – Case Studies in Computing Entrepreneurship; Large-Scale Application Development and Integration; Database Technology; Information Storage and Retrieval; Project Development Skills; Dissertation in Computing Science. <u>Options</u> - 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 – using the PAC application code above.

N42	MSc in Health Informatics*	UL

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**.**

O

Other Courses

O1   MA in Public Relations with New Media   CIT

Study Location: Cork Institute of Technology

Course Duration: 1 year

Course Outline: This innovative MA programme offers the opportunity to gain a comprehensive understanding of public relations as a form of communication and pays particular attention to the growing importance of digital and interactive media on the practice of public relations and professional communications.

Indicative Content: <u>Core</u> – PR Theory & Application; Research Methods and Practice; Ethics & Social Responsibility; Multimedia Production; Media Writing; Cybercultures; New Media Production; PR and New Media; Public Relations Campaigns; Business Communications & Online Writing; Project. <u>Options</u> – Brand Management; Digital Marketing Environment; Event & Project Management; Media Law, Ethics & Professional Practice; Enterprise and Innovation.

Admission Requirements: A minimum 2:2 honours degree. Admission to the course will be on the basis of interview.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRBPRNM9

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

O2   MA in Journalism and Digital Content Creation   CIT

Study Location: Cork Institute of Technology

Course Duration: 1 year

Course Outline: The programme blends journalistic tools and techniques with content creation using new technologies and digital media to prepare students for the new media workplace. The programme has a strong connection with the media industry. Graduates of this programme are well equipped with the requirements to operate as today's digital journalists and content creators.

Indicative Content: <u>Core</u> – Audio Broadcasting; Media History & Structure; News Writing and Editing; Research Methods and Practice; Multimedia Production; New Media Workplace; New Media Production; Media Law, Ethics & Professional Practice; Features and Web Writing; Visual Broadcasting; Cybercultures; Project. <u>Options</u> – Creative Thinking and Design; Studio Technology.

Admission Requirements: A minimum 2:2 honours degree. Admission to the Master of Arts in Journalism and Digital Content Creation programme is based on a combination of an online application form and a short interview. It is expected that students entering the course have mastered basic writing skills, including grammar, syntax and the ability to conceptualise and articulate ideas in writing.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.cit.ie/course/CRHJWNM9

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

O3   MSc in Information & Library Management   DBS

Study Location: Dublin Business School

Course Duration: 1 year

Course Outline: The programme is designed for graduates of all disciplines wishing to pursue a career in Information and Library Management on a professional level. The programme also enables existing library personnel to obtain a professional library qualification for promotional purposes. The MSc in Information and Library Management provides learners with the applied professional knowledge and competencies required of a manager within the information and library sector.

Indicative Content: Information Organisation; Information Technologies; The Teaching Librarian; Records Management and Information Rights; Personal and Professional Development; Research Methods; Network Resource Management; Information Architecture; Management for Information and Library Professionals; Dissertation.

Admission Requirements: A minimum Second Class Honours Degree (2:2) in any discipline from a recognised third level institution.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2MsDbm7

Application: Apply online via the course webpage.

O4   MSc in Tourism Management   TUD

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.

IELTS: Minimum 6.0 overall score required.

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

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

O5	MSc in Hospitality Management	TUD

Study Location: Dublin Institute of Technology

Course Duration: 1 year

Course Outline: This globally recognised hospitality programme is one of TUD'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.

IELTS: Minimum 6.0 overall score required.

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

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

O6	MA in Creative Practice	GMIT

Study Location: Galway-Mayo Institute of Technology

Course Duration: 1 year

Course Outline: The course will support imaginative, experimental and interdisciplinary enquiry through a range of media and approaches. Students will choose one of four strands in which to base their study: Contemporary art studio practice; Digital cultures; Film and lens based media; socially engaged practice. Students will be encouraged to work collaboratively as well as be independent, self-directed critical thinkers.

Indicative Content: Core – Themes and Issues in Creative Practice; Professional Development; Research and Innovation. Options – Research Project or Creative Practice Project and Minor Thesis.

Admission Requirements: All qualified applicants with a relevant Level 8 qualification or equivalent will be short-listed for interview. Other applicants may be considered through the Recognition of Prior Learning (RPL) process.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] http://bit.ly/2x1dDXy

Application: **Application**: Contact international@gmit.ie for an application form.

O7   MSc in Interaction Design   ITC

Study Location: Institute of Technology, Carlow

Course Duration: 1 year

Course Outline: This course is specifically designed for honours graduates in product and industrial design, multimedia and game design, visual communication design, architecture, engineering and other design related fields. The Master of Arts in Interaction Design will provide graduates with a unique opportunity to gain a competitive edge prior to embarking on a career in design or related fields. It is envisaged that graduates will be in a position to critically evaluate existing creative services and to visualise future possibilities for devising better design methodologies and best practice in managing design practices and studios.

Indicative Content: Framing User Experience; Principles of Interaction Design; Prototyping Interactions; Design Entrepreneurship; Human Interface Design; Communication Design; Design Research Methods; Design Project Dissertation.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in Product or Industrial Design, Games Design, Visual Communication Design, or other related design disciplines such as Architecture or Engineering.

IELTS: Minimum 6.0 overall score required.

Course Webpage: [shortened as] https://bit.ly/2Pmb8pY

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

O8   MA in Social Practice & the Creative Environment   LIT

Study Location: Limerick Institute of Technology

Course Duration: 1 year

Course Outline: The course offers you a strong theoretical and critical grounding in the area of social practice, equips you with appropriate research skills, educates you in the roles you will play within communities/ situations/spaces, and ultimately, offers you a deep level of authentic experience and situated learning through the delivery and documentation of your self-chosen social practice project.

Indicative Content: Commentaries – Critical Grounding, Taking a Position; Transactions, Roles and Research; Practice - Analyse, Contextualise, Assimilate; Social Practice: Major Project; Documentation: Critical Reflection and Evaluation of Major Project.

Admission Requirements: An undergraduate degree with a minimum 2:2 or equivalent in disciplines including but not limited to fine art, design, performing arts, architecture, engineering, humanities, social care and new technologies.

IELTS: Minimum 6.0 overall score required.

Course Webpage: http://www.lit.ie/Courses/MASPACE/default.aspx

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

O9	MA in Mediation and Conflict Intervention	MU

Study Location: Maynooth University

Course Duration: 1 year

Course Outline: The programme provides access to teaching, research and practitioner skills in the areas of Organisational and Workplace Mediation, Family Mediation, Commercial Mediation, Restorative Practice and Peace Process Studies. Students gain a strong theoretical foundation coupled with skills and practice development leading to a solid grounding in the best practice of constructive conflict intervention processes.

Indicative Content: Core – Mediation Theory & Conflict Analysis; Mediation Knowledge and Practice; Thesis. Options – Family Mediation: Separating Couples; Organisational & Workplace Mediation; Commercial Mediation; Conflict Resolution in Education; Restorative Practice in Schools; Resolving Protracted Conflict: Applied Concepts & Peace Process Theories; Post Conflict Studies: Challenges of Implementing Peace Agreement; Family Mediation: Within Family.

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.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] https://bit.ly/2PxfwlS

Application: **PAC Code: 3U02F**
Apply online via The Postgraduate Applications Centre (PAC) – www.pac.ie – using the PAC application code shown above.

O10	MSc in Interactive Digital Media	TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The M.Sc. course concentrates on teaching the theory associated with developing and implementing digital media applications rather than teaching how to use off-the-shelf applications. Students are exposed to programming languages and platforms as well as methodologies for the creation, capture and presentation of text, graphics, audio and moving images. Students work collaboratively on course assignments and final projects which are exhibited publicly at the end of each year.

Indicative Content: Programming for Digital Media; Authoring for Digital Media; Contextual Media; Audio, Video and Sensor Technologies; Visual Computing and Design; Research Paper; Final Project.

Admission Requirements: Applications will be accepted from good honours' graduates in any discipline. Literary, artistic and creative ability is taken into consideration along with mathematical and problem-solving ability. Knowledge of programming is not a pre-requisite for entry.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2fY2y3p

Application: Apply online via course webpage

O11   MSc in Digital Humanities and Culture   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: Digital Humanities is a field of study, research, and invention at the intersection of humanities, computing, and information management. It is methodological by nature and multidisciplinary in scope involving the investigation, analysis, synthesis, and presentation of information in electronic form.

Indicative Content: Core – Theory and Practice of Digital Humanities; Web Technologies; Digital Humanities Internships and Project Management; Dissertation. Options – Digital Scholarly Editing; From Metadata to Linked Data; Cyberculture/Popular Culture; Digital History: Tools and Techniques; Programming for Digital Media; Strong Corpus Linguistics; Visualising the Past; Heritage Visualisation in Action.

Admission Requirements: Applicants should have a good honours degree (at least an upper second, GPA of at least 3.3) in any of the disciplines of the humanities.

IELTS: Minimum 6.5 overall score required.

Course Webpage: [shortened as] http://bit.ly/2v7kVWr

Application: Apply online via course webpage

O12   MPhil in Public History and Cultural Heritage   TCD

Study Location: Trinity College Dublin

Course Duration: 1 year

Course Outline: The course involves analysis of cultural memory, its construction, reception and loss; and study of the public status and consumption of history in modern society. Political issues surrounding public commemoration and 'sites of memory' are examined and the role of museums, galleries and the media in shaping public perceptions of the past is considered. The course also surveys the more concrete questions involved in the conservation, presentation and communication of the physical heritage of past cultures, particularly where interpretation and meaning are contested.

Indicative Content: Core – Dissertation; Remember; Reminding and Forgetting: Public History, Cultural Heritage and the Shaping of the Past; 3-month Internship; 2-day fieldtrip; Practitioner Workshops. Options - Cultures of memory and identity in Central Europe; History, Memory and Commemoration; Gender, Art and Identity; Classics and European Identity; Representations of the Other Europe: Cinema in Communist and Post-Communist Central and Eastern Europe; Consuming History: Media, Markets and the Past; Environmental History;

Admission Requirements: Applicants should normally have at least an upper second class (2:1) honours Bachelor degree or equivalent (for example, GPA of 3.3) in a relevant area. Since places on the course are limited, applicants may be interviewed or asked to submit a writing sample for assessment.

IELTS: Minimum 6.5 overall score required.

Course Webpage: https://www.tcd.ie/history/postgraduate/taught/public-history/

Application: Apply online via course webpage

O13	MSc in Occupational Safety and Health*	UCD

Study Location: University College Dublin

Course Duration: 1 year

Course Outline: This is a full-time multidisciplinary graduate programme, designed for graduates who have experience in Occupational Safety and Health (OSH), who have not previously achieved a higher level qualification in the area. At the end of the programme, you will have developed the ability to develop and implement health and safety management and risk management systems relevant to the OSH needs of their professional discipline; professional and academic writing skills; self-management and self-directive skills and research skills.

Indicative Content: Core – Safety and Health Legislation; Health and Safety Management; Occupational Health; Human and Organisational Behaviour at Work; Research Methods (OSH); Safety Technology; Dissertation. Options – OSH Policy; Chemical Safety and Toxicology; Environmental Legislation and Regulation; Introduction to Environmental Science and Health; Environmental Assessment and Management; International Health; Risk Perception, Communication and Behavioural Change; One Health; Occupational Hygiene.

Admission Requirements: Applicants should be an honours graduate (2.1 or above) of an Irish level 8 degree, or international equivalent, in a cognate discipline. You should normally have at least three years' work experience at the time of application, ideally in OSH. Priority is given to applicants who are active in Occupational Safety and Health.

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

Course Webpage: [shortened as] https://bit.ly/2N2PjNX

Application: Apply online via course webpage.

O14	MA/MSc in Interactive Media*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: This programme offers unique opportunities for designers, computer scientists and artists to exploit their potential in new areas (experience, interaction and participatory design, internet of things, social media and virtual reality, mobile and physical computing), across a wide range of activities, such as digital multimedia, software development, interactive installation, human-centred research and education.

Indicative Content: Core – Foundations of Interactive Media Design; Interactive Media Project/Workshop 1 and 2; Interactive Media Project. Options – Digital Media Software and Systems; Information Society; Realtime Audio & Video; Physical Computing; Mobile Application Design; Product Design & Modelling; Visual Coding; Applied Interaction Design; CS-Studio I.

Admission Requirements: A primary degree in any subject area, with first or second class honours. A portfolio of the applicant's own work that demonstrates the applicant's creative ability. This can be artwork, websites, software, writing, etc. Applicants may be called for an interview. The interview normally takes 20-30 minutes and includes a review of the applicant's portfolio.

Course Webpage: [shortened as] http://bit.ly/2vZ5Nf1

Application: Apply online via the course webpage.

O15	MA in International Tourism*	UL

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.

O16	MA in Applied Physics*	UL

Study Location: University of Limerick

Course Duration: 1 year

Course Outline: The aim of the MSc is to meet the needs of graduates who wish to augment their existing skills with an understanding of the methodology of physics and a knowledge of the physical principles underlying the operation of industrial processes and equipment.

Indicative Content: <u>Core</u> – Research Project I, II and III. <u>Options</u> – Condensed Matter Physics; Nanoscience & Technology; Semiconductor Processing; Physics of Advanced Metrology; Physics of Materials; Methodology of Research in Physical Science; Physics of Metal Instrumentation; Reporting Results in Physical Science; Surface Technology.

Admission Requirements: Normally a 2.2 Hons Degree in an appropriate Science/Engineering/Technology discipline. Applications from other graduates who have a significant mathematical element in their primary degree in addition to other relevant technical background will also be considered.

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

Course Webpage: [shortened as] https://bit.ly/2Pi50xW

Application: Apply online via the course webpage.