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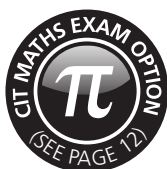
# CAO COURSES

## AT CORK INSTITUTE OF TECHNOLOGY

### CAO HONOURS DEGREE (LEVEL 8) LIST

CAO CODE	HONOURS BACHELOR DEGREES (LEVEL 8)	ROUND 1 POINTS 2013	PAGE
CR 105	Chemical and Biopharmaceutical Engineering	360	85
CR 106	Software Development	300	151
CR 108	Mechanical Engineering	340	97
CR 109	Structural Engineering	400	59
CR 112	Multimedia	350	185
CR 116	Software Development and Computer Networking	305	153
CR 121	Music (at CIT Cork School of Music)*	700	169
CR 125	Popular Music: Electric Bass Guitar (at CIT Cork School of Music)*	615	171
CR 126	Popular Music: Drums (at CIT Cork School of Music)*	765	171
CR 127	Popular Music: Electric Guitar (at CIT Cork School of Music)*	795	171
CR 128	Popular Music: Keyboards (at CIT Cork School of Music)*	720	171
CR 129	Popular Music: Voice (at CIT Cork School of Music)*	820	171
CR 150	Business Information Systems	335	23
CR 210	Contemporary Applied Art (Ceramics, Glass, Textiles) (at CIT Crawford College of Art & Design)*	653	181
CR 220	Fine Art (at CIT Crawford College of Art & Design)*	535	183
CR 305	Physical Sciences (Common Entry)	310	129
CR 310	IT Management	290	155
CR 312	Web Development	295	157
CR 320	Biomedical Science (Joint CIT/UCC)	520	143
CR 325	Pharmaceutical Biotechnology	315	149
CR 330	Herbal Science	290	145
CR 333	Nutrition & Health Science	345	147
CR 340	Analytical Chemistry with Quality Assurance	350	131
CR 360	Instrument Engineering	330	135
CR 365	Environmental Science & Sustainable Technology	300	137
CR 400	Accounting	330	19
CR 420	Marketing	285	15
CR 500	Engineering (Common Entry)	345	57
CR 510	Sustainable Energy	305	87
CR 520	Biomedical Engineering	440	101
CR 522	Building Energy Systems	300	89
CR 560	Architectural Technology	285	73
CR 565	Interior Architecture	275	77
CR 570	Quantity Surveying	275	67
CR 572	Construction Management	245	65
CR 580	Electrical Power Systems	315	109
CR 590	Electronic Systems Engineering	300	105
CR 600	Visual Communications*	485	187
CR 660	Tourism	275	31
CR 700	Theatre & Drama Studies (at CIT Cork School of Music)*	805	173
CK 606	Architecture (Joint CIT/UCC)	400	71

\* Restricted Application/Early Assessment Procedures



Some students who apply to CIT courses may not achieve the required entry standard in Mathematics through the Leaving Certificate. For such applicants, CIT offers a second chance to reach the required entry standard through a CIT Mathematics Exam. In order to avail of the CIT Mathematics Examination, students **MUST APPLY ONLINE** (<http://www.cit.ie/maths>) by 12 noon on Monday, 18th August 2014.

## CAO BACHELOR DEGREE / HIGHER CERTIFICATE (LEVEL 6 & 7) LIST

CAO CODE	BACHELOR DEGREES (LEVEL 7)	FOLLOW-ON COURSES AT CIT	ROUND 1 POINTS 2013	PAGE
CR 001	Applied Physics & Instrumentation ▲	BSc (Honours) Degree	275	139
CR 006	Applied Biosciences ▲ Degree Award options: Food & Health Science or Applied Biosciences and Biotechnology	BSc (Honours) Degree	300	141
CR 007	Analytical & Pharmaceutical Chemistry ▲	BSc (Honours) Degree	260	133
CR 010	Agriculture ▲	BSc (Honours) Degree	335	27
CR 011	Horticulture	BSc (Honours) Degree	215	29
CR 016	Computing ▲	BSc (Honours) Degree	290	159
CR 021	Business Studies ▲ Degree Award options: Accounting or Business & Management or Marketing	BBus (Honours) Degree	255	17
CR 022	Business Administration ▲ Degree Award options: Business Administration or Business & Management or Marketing	BBus (Honours) Degree	220	25
CR 023	Accounting ▲	BBus (Honours) Degree	280	21
CR 031	Social Care	BA (Honours) Degree	370	45
CR 032	Recreation & Leisure Management ▲	BBus (Honours) Degree	325	49
CR 041	Tourism ▲	BBus (Honours) Degree	250	33
CR 042	Hospitality Management ▲	BBus (Honours) Degree	250	35
CR 046	Transport Management & Technology ▲	BSc (Honours) Degree	210	93
CR 051	Civil Engineering ▲	BEEng (Honours) Degree	220	61
CR 052	Construction ▲ Degree Award options: Construction Management or Quantity Surveying	BSc (Honours) Degree	200	69
CR 053	Interior Architecture	BSc (Honours) Degree	205	79
CR 055	Environmental Engineering		New Course	63
CR 061	Electronic Engineering ▲	BEEng (Honours) Degree	235	107
CR 062	Electrical Engineering ▲	BEEng (Honours) Degree	220	111
CR 071	Mechanical Engineering ▲	BEEng/BSc (Honours) Degree	250	99
CR 072	Building Services Engineering ▲	BEEng/BSc (Honours) Degree	235	91
CR 075	Biomedical Engineering ▲	BEEng/BSc (Honours) Degree	280	103
CR 077	Craft Technology (Wood) with Business		225	81
CR 078	Craft Technology - Mechanical Services		New Course	83
CR 090	Architectural Technology	BSc (Honours) Degree	220	75
CR 094	Nautical Science (at NMCI)	BSc (Honours) Degree Ship's Master Level	280	117
CR 095	Marine & Plant Engineering (at NMCI)	Chief Engineer Level	240	119
CR 300	Physical Sciences (Common Entry)	BSc (Honours) Degree	260	129
CR 620	Early Years Education	BA (Honours) Degree	365	47
CR 640	Culinary Arts	BBus (Honours) Degree	310	37
CR 650	Bar Management	BBus (Honours) Degree	250	39
CR 805	Marine Electrotechnology (at NMCI)		200	121
CR 888	Information Technology Support ▲	BSc (Honours) Degree	250	161

CAO CODE	HIGHER CERTIFICATE (LEVEL 6)	FOLLOW-ON COURSES AT CIT		
CR 655	Culinary Studies	BBus/BA Degree > BBus (Honours) Degree	210	41
CR 657	Hospitality Studies	BBus Degree > BBus (Honours) Degree	AQA	43

▲ Students who successfully complete Year 2 of programmes marked with “▲”, and who do not wish to progress to the Year 3 will receive the Higher Certificate award.

# myCIT myGuide

## CORK INSTITUTE OF TECHNOLOGY FOUR CAMPUSES... ONE INSTITUTE

- Bishopstown Campus
- CIT Cork School of Music
- CIT Crawford College of Art & Design
- National Maritime College of Ireland

## COURSE STRUCTURES AT CIT

There are two main entry streams for full-time students

- Four Year Honours Bachelor Degrees
- Three Year Bachelor Degrees

Many Three Year Bachelor Degree programmes have an “exit option” after two years. Students who successfully complete Year 2 of these programmes and who do not wish to progress to Year 3 will receive a Higher Certificate Award.

## MODULE INFORMATION

The website <http://modules.cit.ie> gives full details of all modules and has information on average weekly workload, assessments and exams.

## THE CIT MODULE – CREATIVITY, INNOVATION AND TEAMWORK

Every first year student, no matter what the course, takes this module in Creativity, Innovation and Teamwork. This is designed to motivate you for a lifetime of independent learning. The CIT module will also help you to map your way through the third level system.

## MASTER CHARTS

These are Charts which summarise entry requirements, number of places available and follow-on qualifications at a glance for all CAO courses.

## VIDEOS

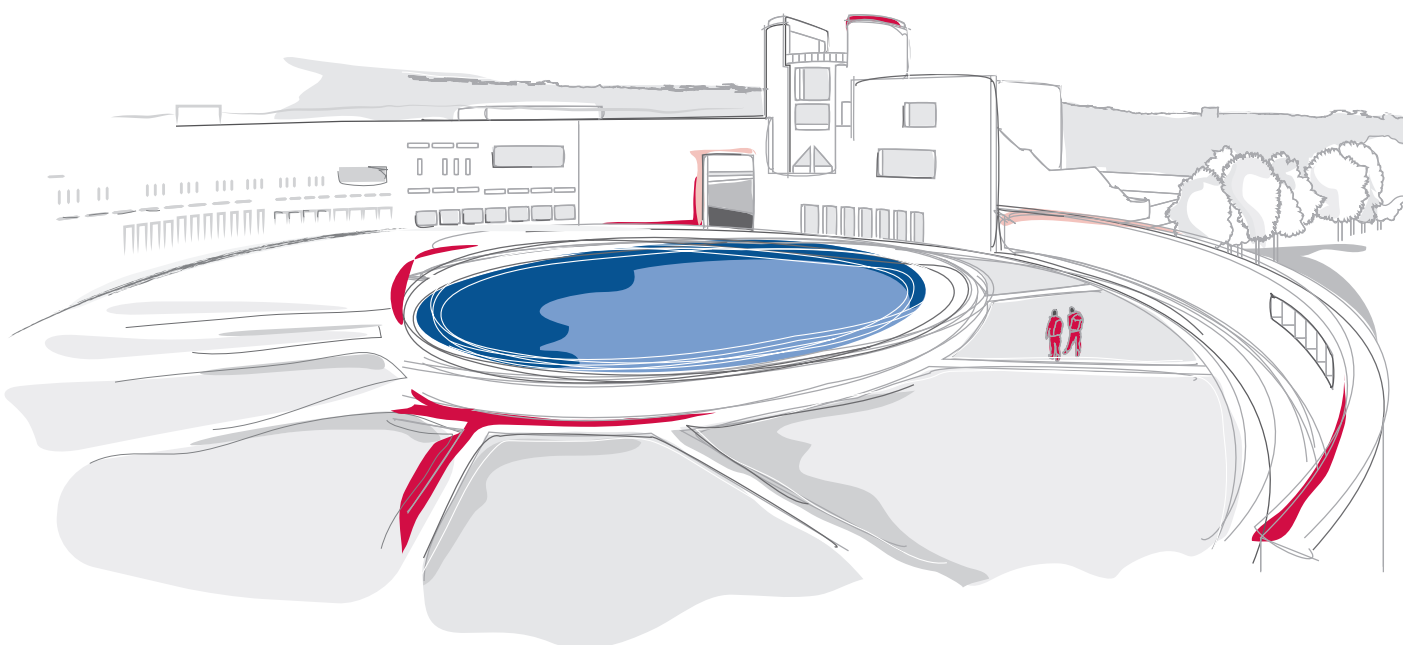
Get the inside story by watching the latest set of video clips... check out [www.youtube.com/CIT](http://www.youtube.com/CIT)

## CIT MATHEMATICS EXAM

Some students who apply to CIT courses may not achieve the required entry standard in Mathematics through the Leaving Certificate. For such applicants, CIT offers a second chance to reach the required entry standard through a CIT Mathematics Exam, see Page 12.

## NEW CAO COURSES

- CR 055 Environmental Engineering (Level 7)
- CR 078 Craft Technology - Mechanical Services (Level 7)







## CORK INSTITUTE OF TECHNOLOGY

Institiúid Teicneolaíochta Chorcaí

**incorporating**

CIT CORK SCHOOL OF MUSIC

CIT CRAWFORD COLLEGE OF ART & DESIGN

NATIONAL MARITIME COLLEGE OF IRELAND



President: Dr Brendan J. Murphy

Bishopstown, Cork, Ireland.

T: 021 432 6100

F: 021 454 5343

W: <http://www.cit.ie>



[www.facebook.com/myCIT](http://www.facebook.com/myCIT)



[www.youtube.com/CIT](http://www.youtube.com/CIT)



[www.twitter.com/cit\\_ie](http://www.twitter.com/cit_ie)

# CIT'S MISSION

To provide student-centred education with a career focus for the benefit of the personal, intellectual and professional development of the student and for the benefit of the whole of society.

## DATES TO REMEMBER

<b>OCT</b> <b>22</b>	<b>NMCI Open Day</b> → 22nd October 2013, Ringaskiddy Further information available on <a href="http://www.nmci.ie">www.nmci.ie</a>	<b>APR</b> <b>10/11/12</b>	<b>CIT Cork School of Music</b> BA (Honours) in Popular Music & BA (Honours) in Theatre & Drama Studies Honours Degree Entrance Assessments (CR 125 /CR 126 /CR 127 /CR 128 / CR 129 /CR 700) → 10th/11th/12th April 2014
<b>NOV</b> <b>7</b>	<b>CIT Information Day for Guidance Counsellors</b> → 7th November 2013	<b>APR</b> <b>12</b>	<b>CIT Cork School of Music</b> BMus Honours Degree Entrance Exam → 12th April 2014 (CR 121)
<b>NOV</b> <b>22/23</b>	<b>CIT Open Day</b> → 22nd/23rd November 2013, Bishopstown Campus	<b>MAY</b> <b>1</b>	<b>CAO Late Applications</b> → 1st May 2014
<b>NOV</b> <b>22/23</b>	<b>CIT Crawford College of Art &amp; Design Open Day</b> → 22nd/23rd November 2013, Sharman Crawford St.	<b>JUL</b> <b>1</b>	<b>CAO Change of Mind</b> → 1st July 2014
<b>NOV</b> <b>23</b>	<b>CIT Cork School of Music Open Day</b> → 23rd November 2013, Union Quay, Cork	<b>AUG</b> <b>19</b>	<b>CIT Mathematics Exam</b> → 19th August 2014 (Provisional)
<b>FEB</b> <b>1</b>	<b>CAO Closing Date</b> → 1st February 2014	<b>SEP</b> <b>8</b>	<b>Registration of First Year Students 2014 - 2015</b> → Week commencing 8th September 2014 (Provisional)
<b>APR</b> <b>10</b>	<b>Cork Mechanical, Manufacturing &amp; Biomedical Engineering Annual Exhibition</b> → 10th April 2014	<b>SEP</b> <b>15</b>	<b>Start of Semester 1 2014 – 2015</b> → 15th September 2014 (Provisional)

## GOVERNING BODY

Mr Bob Savage, Chairman  
Dr Brendan J Murphy, President, CIT  
Cllr James A Corr  
Cllr Catherine Clancy  
Mr Ted Owens  
Mr Barra Ó Briain  
Cllr Mary Hegarty  
Rt Rev Canon G.A. Salter  
Dr Áine Ní Shé  
Mr John O'Sullivan

Mr Eoin Deane  
Mr Danny O'Donovan\*  
Ms Niamh Hayes\*  
Ms Ann Piggott  
Ms Valerie Gleeson  
Ms Mary Keane  
Mr Billy O'Neill  
Mr Jim Woulfe  
Mr Mark Whitaker  
\*until September 2013

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# STUDENT LIFE

CORK INSTITUTE  
OF TECHNOLOGY

About Cork Institute of Technology  
Services for Students  
Accommodation  
Careers & Counselling  
Health Services  
Copy Centre  
Chaplaincy/Student Support Team  
Students' Union  
The Arts  
Alumni Association  
Sports  
Societies  
International Links  
Research & Postgraduate Studies

# ABOUT CORK INSTITUTE OF TECHNOLOGY

Whatever your plans and talents CIT has a course of study for you. We offer the full range of higher education qualifications, including Bachelor Degrees and Honours Bachelor Degrees, as well as postgraduate Masters and PhD Degrees. There is a flexible "ladder" system in place, which, in many cases, allows you to progress from one award to the next. For those returning to education from employment or for those with other commitments, CIT has a varied part-time and evening programme, one of the largest at third level in the country.

## CIT has four principal Campuses:

- Bishopstown Campus situated in the suburbs of Cork City
- CIT Crawford College of Art & Design (CIT CCAD) situated in Cork City
- CIT Cork School of Music (CIT CSM) situated in Cork City
- National Maritime College of Ireland (NMCI) situated in Ringaskiddy, Cork Harbour.

## THE BISHOPSTOWN CAMPUS

The Bishopstown Campus is the main centre, and is the location for courses in Business, Science, Informatics, Engineering and Humanities. Also located here are Student Services, Administration, Research Centres and Industry Support Centres. The Bishopstown Campus is situated in the western suburbs of Cork City. Leisureworld Sports Centre, which includes both a 25m and an 18m swimming pool, is right next door. Just a few minutes walk away are the suburbs of Bishopstown and Wilton with shops, restaurants and sports facilities. The city centre is just a short bus ride away.



The Student Centre is the main focus for student activity and leisure. It has all the services you could hope for, such as a common room, restaurant, meeting rooms, bank, supermarket, and various student services. The NIMBUS Centre is Ireland's only research centre devoted to the field of embedded electronic systems. Nimbus provides space for up to 80 researchers, including facilities for undergraduate project students, visiting postgraduate students and researchers from other institutions.

The Rubicon Centre is a business incubation centre for young graduates. It provides a supportive on-campus environment for start-up businesses. The CIT Information Technology Centre consists of computer laboratories, seminar rooms and open access computer stations for hundreds of students. All these computers are fully networked and on-line.

The library provides books, journals, audio-visual and electronic information resources appropriate to all subjects taught in the Institute. The library provides access to online resources; including journals, standards, and reports, and electronic catalogues of worldwide libraries; and 500 study places.

## CIT CRAWFORD COLLEGE OF ART & DESIGN (CCAD)

This is a self-contained College of CIT, located in Sharman Crawford Street. It is situated within walking distance of the city centre. The Departments of Fine Art & Ceramic Design, and Art & Design Education, are based at the Sharman Crawford Street campus, offering programmes in Fine Art, Contemporary Applied Art (Ceramics, Glass, Textiles), and Art Education. The Departments of Media Communications, and Art Therapy, are based at CIT Bishopstown campus offering programmes in Multimedia, Visual Communications, and Art Therapy. Facilities include lecture rooms, library, studios and personal work-areas for students. There are well equipped workshops and laboratories for an extensive range of specialist areas. The CCAD annual Degree Show is one of the highlights of the arts calendar in Cork.

## CIT CORK SCHOOL OF MUSIC (CSM)

CIT Cork School of Music (CSM) is a Constituent School of CIT and provides Honours Degree programmes in Music, Theatre & Drama, and Popular Music. The School also has a wide range of MA and PhD degrees. The CSM has many award winning bands, chamber music ensembles, choirs, drama groups, opera groups, and orchestras – with the senior ones undertaking extensive national and international tours, broadcasting, and making commercial recordings.

## NATIONAL MARITIME COLLEGE OF IRELAND (NMCI)

This purpose built College is on a 10 acre campus and located 18km from Cork city, in Ringaskiddy. It provides training and education for the Merchant Marine and the non-military needs of the Irish Naval Service. The NMCI provides education services of the highest quality. Specialist spaces including survival facilities, seamanship and shipwrights' workshops, fire fighting/damage control, jetty and lifeboat facilities and engine room are provided. The College also provides specialised simulation equipment in the areas of navigation, bridge training, communications, engineering machinery operations, liquid cargo handling/damage control and vessel traffic systems. These facilities fully comply with the most up-to-date international standards and requirements. A multi-purpose hall and sporting facilities are also included in the college.





# SERVICES FOR STUDENTS

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Our Student Services aim to support the student community and provide opportunities for students to grow and develop in non-academic areas. Student Services also aim to assist students during periods of personal difficulty that may occur during their courses, in planning their futures and in progressing to employment or further study.

Student Services consist of the following:

- Careers & Counselling
- Medical
- Accommodation
- Students' Union
- Sports Clubs and Societies
- Copy Centre
- Student Support Team
- Coffee Dock
- Bank
- Mini-market
- Common Room

## ACCOMMODATION SERVICE

The Accommodation Office assists students in finding a suitable place to live. The service provides information and guidance to students on the accommodation most appropriate to their needs. If you would like any information on the student apartments, you can also contact them directly, see [www.cit.ie/studentlife](http://www.cit.ie/studentlife) for details. The shared housing/lodgings list is available to students in early May and it is updated regularly.

### Contact

Deirdre Falvey  
Accommodation Officer  
T: 021 433 5750  
F: 021 433 5751  
E: [deirdre.falvey@cit.ie](mailto:deirdre.falvey@cit.ie)  
[accommodation@cit.ie](mailto:accommodation@cit.ie)



## Types of Accommodation

### 1. Lodgings/Self Catering Lodgings (Living in a family home)

#### Lodgings:

Where a student receives breakfast, evening meal and light supper. Prices for this year are approximately:

Single room 5 day: €120  
Twin room 5 day: €90  
Single room 7 day: €140  
Twin room 7 day: €110

#### Self Catering Lodgings:

Where a student lives with a family but has use of the kitchen to cook meals. Prices per week for this year are approximately:

Single room: €80  
Twin room: €70

### 2. Shared Houses/Flats

A list of houses/or rooms in houses is available throughout the year and this is updated regularly, especially during the summer months. As there is a high demand for this type of accommodation, it is advisable to contact the Accommodation Office regularly for an updated list. The approximate price per week for this year is:

Single room: €80  
Twin room: €70

### 3. Student Apartments/Hostels

#### Student Apartments

There are a large number of student apartments in close proximity to the Institute. It is advisable to look into this option early in the intended Academic Year. Bookings should be made directly to the apartments.

Payment is normally made in two instalments. The approximate price range per academic year is €2,700 – €4,500.

The cost depends on what type of room you choose (Standard Single, Single Ensuite, Double Ensuite, Twin Standard, Twin En-suite etc). The average number of rooms per apartment is 3, 5 or 7.

Students are advised to look at apartments before booking and to read leases carefully before signing them.

## Finding a Place to Stay

The most popular ways of finding accommodation are:

- CIT Accommodation Office
- Internet
- Auctioneers
- Word of mouth
- Notice boards
- Shop windows
- Flat finding agencies
- Newspapers

While every effort is made to facilitate students seeking accommodation, the Institute is not involved in any agreement/contracts entered into between students and landlords. We are happy to discuss any problems students may have in their accommodation and try to help resolve them in a reasonable manner.

Information Leaflets on Tenants Rights, Student Possession Insurance & Fire Safety in Rented Accommodation are available from the Accommodation Office which is located on the first floor of the Student Centre, Bishopstown Campus.

## CAREERS AND COUNSELLING SERVICE

The Careers and Counselling Service is a free, integrated and confidential service available to all full-time, registered students and apprentices while attending the Institute. The Service is committed to supporting and encouraging students to reach their academic and personal potential during their time at the Institute. The Service offers Career Guidance, Educational Guidance, and Personal Counselling.

The integrated Careers and Counselling Service predominantly operates on an appointment basis, and is located on the second floor of the Student Centre, Bishopstown Campus. The Service is also available to students of the other CIT campuses.

## HEALTH SERVICES

The Medical Centre, situated in the Student Centre on the Bishopstown Campus is open Monday to Friday from 8.30am – 5.00pm.

During term, it is staffed by a number of doctors, two nurses and a secretary, and provides a comprehensive range of services suitable for the students' needs.

The nursing service is available without charge to all students. Services of the doctor are provided free of charge to all students who have a medical card and at a nominal cost to other students.

If an urgent appointment is needed, please contact the Medical Centre before 10.00am as doctors work sessional hours only. After hours, a Family Doctor Service is provided by SouthDoc, T: 1850 335 999. This service operates at night and weekends. Students without a medical card have to pay the appropriate fee for this service at the time.

**Contact:** Medical Centre, Marian Walsh, T: 433 5780 for appointments and other queries.

## COPY CENTRE

Situated in the Student Centre, the Copy Centre provides a range of copying and binding services including assistance with the production of projects and CVs. It produces and distributes internal Institute publications such as laboratory manuals and lecture materials. Photocopying facilities are provided in a number of different locations in the Institute including the Library and the Students' Union Office.

## CHAPLAINCY/STUDENT SUPPORT TEAM

Chaplaincy is a dynamic presence at CIT, accompanying both students and staff on their life journey. We are open to people of all faiths and cultures. The chaplaincy extends a warm welcome to both students and staff and assure you of our presence and support, especially in times of bereavement, illness and during the anxious moments that we all experience from time to time.

While maintaining a college-wide presence and perspective, the Chaplaincy at CIT

- Invites both staff and students to meaningful worship and related opportunities for spiritual growth, including discussion forums, mindfulness, scriptural meditation/prayer, and the 'Glenstal' experience;
- Provides a dedicated Student Support Team to facilitate the student/staff information desk (Info Desk), publication of a weekly newsletter ('What's On'), and the organisation of fundraising events;
- Acts as an 'early intervention' support that identifies students in need of professional assistance;
- Offers a 'Chill Out' space in 'CornerStone' (Chaplaincy House, Elton Lawn). Enjoy free tea/coffee, internet; listen to music, chat and meet new friends, especially from other countries/cultures;
- Facilitates the development of an Inter-Cultural programme of events within CIT including 'themed' evenings for national and international students at 'CornerStone';
- Offers opportunity for voluntary service.

We look forward to meeting you throughout your time in CIT.

## STUDENTS' UNION

The Students' Union represents and defends its members on matters affecting their rights and interests as students of the Institute and as citizens and acts as a channel of communication between its members and the Institute and other bodies. The Union is one of the principal conduits for expression of students' opinions, and is recognised as such by the management of the Institute. The ethos of the Students' Union is to provide quality services on a non-profit making basis to students. The Students' Union Office and Retail Outlet is open daily from 9am - 5pm and is located on the first floor of the Student Centre, Bishopstown Campus.

The services offered and projects undertaken by the Students' Union include

- Bus tickets and travel information
- Photocopying
- College supplies - stationery, memory storage and lab coats - selling at cost price
- Car pooling service
- Night Bus (runs Thursday nights from City Centre) - inexpensive and safe method of getting home
- Entertainment - weekly night club events, Rag Week, Freshers' Week, pool tables, Xbox and much more;
- Welfare Projects – Safety Week, De-stress Days, Sexual Health and Guidance Week, Positive Mind and Body Week and much more
- ExpliCIT - monthly student magazine
- Freshers Handbook

[www.citsu.ie](http://www.citsu.ie)

## THE ARTS

<http://arts.cit.ie/>

The arts scene throughout the Institute is supported by full-time Arts Officer Sarah Morey. The role of the Arts Office is to work with students and staff in developing and supporting arts related projects and to promote arts activities across all campuses. CIT offers students a wonderful opportunity to engage with and develop their talents, meet new friends and get involved in the arts.







*Winners of the annual Student Societies & Activities Awards for their voluntary contribution to student life during the academic year.*

## SOCIETIES

Education means more than just academic learning. The diversity of CIT Societies means that practically every taste is catered for. During the academic year 2012/2013, there were 48 Societies in operation in CIT. Grab the opportunity to experience something new or pursue an interest you have always wanted to explore. Why not get involved in the Photographic, Music Society and Drama Society or get to know your class by getting involved in a course related Society. Course related Societies cater for students from all disciplines in CIT providing an opportunity for social course outings to various activities including karting, paintball, bowling, ice skating, and many more. Societies in CIT are some of the best Societies in Ireland frequently winning at the Board of Irish College National Societies Awards. Students who are at the heart of running CIT Societies have achieved the honour of winning both National 'Society of the Year' and 'Most Improved Society' in recent years.

### Societies Website

For up to date information, check out [www.citsocieties.ie](http://www.citsocieties.ie) or find us at CITsocieties on Facebook and Twitter.

### How to Join a Society?

Societies Day in September is your first opportunity to check out and sign up to a society. The purpose of the day is to encourage participation in Societies and to raise awareness of the huge variety of Societies available for you in CIT.

### Volunteer Abroad

Since 2010 the Societies Office has been proud to support students who have chosen to experience volunteering abroad for a number of weeks during the summer break. In the past 3 years, 43 students were presented with Scholarships and Bursaries to help fund their contribution to voluntary participation abroad.

### Contact

Societies Office  
T: 021 433 5759

## ALUMNI ASSOCIATION

CIT has an established Alumni Association which enables graduates to keep in touch with developments at CIT and maintain contacts with friends, classmates and faculty staff from college days.

To find out about all the latest news and developments at CIT we encourage you to join these groups by logging onto LinkedIn, Facebook and Twitter and search for:



"CIT Alumni Association Facebook"



"CIT Alumni LinkedIn" or <http://ie.linkedin.com/in/citaa>



"CIT Alumni Twitter" or <https://twitter.com/CITAlumni>

To stay in touch with CIT, please update your contact details at [www.cit.ie/alumni](http://www.cit.ie/alumni)

## SPORTS

### Sports Office

The Sports Office facilitates students and their club and is responsible for the management of sports facilities in the Institute. A section in the office is dedicated solely for club members to work on club business, design posters, make phone calls, and access the internet. The Sports Office plays a key role in the life of CIT, assisting students in the running of clubs and interacting with people of similar interests.

### Sport in CIT is supported by:

- Sports Officer
- Sports and Societies Administrator
- GAA Development Officer
- Soccer Facilitator
- Rugby Facilitator
- Gym Supervisors
- Sports Hall Coordinator

The Gym may be used by all full-time students and is open Monday – Friday 7.30am – 9.00pm and Saturday 11.00am – 4.00pm. T: 021 433 5778.

New students should look out for “Sports & Societies Day” which is held in September when each club gives information of its activities and recruits new members.

CIT participates at the highest level of competition amongst the country's third-level institutions and is a member of the Colleges and Universities Sports Association of Ireland (CUSAI). CUSAI is the Governing Body for Sports in Institutes of Technologies and Universities; its aim is to promote and develop third-level student sport in Ireland. CIT has a broad range of sports clubs including field sports, indoor sports, water sports, and great outdoor sports.

CIT's excellently prepared sports grounds and facilities played host to numerous competitions throughout the year including schools' matches, International Cork City Sports, GOAL Mile, Munster Schools & Universities Cross Country Championships. CIT provides training facilities for a number of teams including the Cork Senior Hurlers and Footballers, and Cork Ladies Footballers.

As well as catering for the competitive athlete, CIT's Sports Clubs places a big emphasis on participation and fun and this is reflected in the growing numbers who take part. The Sports Office runs a number of activities such as Aerobics, Circuit Training, Boxercise, Indoor Cycling, Pilates, and Yoga. March 2013 saw the first mass participation event organised by the Sports Office, students and staff took part in a Fun 5k Run & Walk. The event proved a great success and is hoped to become an annual event.



The Sports facilities are ideally located and are currently among the finest in Ireland. These include:

- A 1,200 seat fully-covered stadium that houses a two-tier gymnasium, studio room, doctor's room, and six dressing rooms that complements a floodlit sand based multipurpose pitch;
- A multipurpose Sports Hall incorporating a state-of-the-art Gym & Weights Room;
- Synthetic International Standard Athletics 8 Lane Track with full track and field facilities. Includes a 1,080-seat stand and indoor 60m running/warm-up area;
- A fully equipped strength and conditioning gym that houses a 625m<sup>2</sup> gym area along with video analysis rooms, squad meeting rooms, physio treatment rooms, dressing rooms, offices, and a recreation area;
- Three full size Soccer Pitches;
- Two Rugby Pitches;
- Two GAA Pitches;
- A floodlit full size Astro-Turf Pitch;
- A synthetic surfaced floodlit Tennis Court.

Just off the main CIT campus is located LeisureWorld which holds two swimming pools and a gym. Special student discounts apply for use of the pool.







Group of Individual Award Winners at the CIT Sports Awards. (Back row) Dwayne Crowley, (Tae Kwon Do); Maurice Malone, (Karting); Barry Pigott, (Powerlifting); Niall Marshall, (Pool); Ciarán Sheehan, (Gaelic Football); and Mark Griffin, (Gaelic Football). (Front row) Eugene Higgins, (Golf); Maria McShane, (Equestrian); Rachel Vanderwal (Graduate Achievement Award in Basketball); and Cullen Lynch, (Fresher of the Year, Athletics). Absent from photo: Craig Robinson, (Soccer); Lorcán McLoughlin, (Hurling); and Diane Galvin, (Powerlifting). Photographer Mike English.

## SPORTS SCHOLARSHIPS

To underline its commitment to Sport, CIT annually awards Sports Scholarships to a wide range of sports for Seniors and Freshers. The Sport Scholarships range in value from €500 to €1000. It is expected that those awarded the Scholarship will have high levels of achievement in their chosen sport and a full involvement and participation in this sport in the Institute.

For the 2012/2013 academic year, 107 Sports Scholarships were presented by Guest Speakers, Robert and Marian Heffernan who blazed a trail of glory at the recent Olympics. Both male and female athletes from 20 different sports were recipients. These Scholarships are awarded to students who display high achievement levels, commitment and dedication to their chosen sport and very importantly, loyalty to that sport within the Institute.

While representing both CIT and their home clubs at the highest level, many have also represented their province as well as their country. These Sports Scholarships provide valuable assistance to students in their quest for sporting excellence. It is hoped that the recognition will encourage recipients to continue to train at the levels required, to continually strive for excellence in their chosen sport and ensure further sporting success, whilst also hoping that it will act as a further encouragement for students to continue their academic studies and realise their full potential.

The service benefits to the recipients include access to CIT Sports Facilities including the Elite Gym & Weights Room, Sports Education Talks & Workshops, and a Mentoring Support Network.

## SPORTS SCHOLARSHIPS AWARDED IN THE ACADEMIC YEAR 2012/2013

- 84 CIT Sports Scholarships (42 Freshers/Development and 42 Senior) for Athletics, Basketball, Camogie, Cycling, Dual GAA, Football, Golf, Hockey, Horseracing, Hurling, Motocross, Powerlifting, Racquetball, Rowing, Rugby, Sailing, Soccer, Table Tennis, Tae Kwon Do, and Tennis;
- 13 Munster Council GAA Scholarships;
- 7 CIT/Munster Rugby Scholarships;
- 2 Munster Council/Cadburys U21 Scholarships;
- 1 Johnathan Herlihy Foundation Soccer Scholarship.

Applicants must have enrolled on a full-time academic course at CIT before applying for a Sports Scholarship. Application forms are available after the 8th August, by contacting the Sports Office T: 021 433 5767 or E: [miriam.deasy@cit.ie](mailto:miriam.deasy@cit.ie)

Closing date for applications 5pm, 1st October.

## CIT SPORTING SUCCESS

In the 2012/2013 academic year, the Institute had a number of outstanding achievements including:

<b>ATHLETICS</b>	→ The Men's Cross Country Team finished in 1st place at the Munster Colleges and went on to record their best ever finish in the IUAA Cross Country finishing in 5th place. Both the Ladies and Men's Teams finished in 2nd place at the Munster Road Relays. Retained the "Irish Universities Athletics Millennium Trophy" at the IUAA Track and Field.
<b>BASKETBALL</b>	→ Men's Freshers Team reached the Semi-Final of the Varsities losing out narrowly to UCC in extra time. Ladies Team won the Intervarsities B Final. Won 1 Male and 2 Female All Stars at the Intervarsities.
<b>BOXING</b>	→ Michael O'Donoghue was crowned 86kgs Intervarsities Champion. CIT successfully hosted an Inter-colleges "Fight Night".
<b>CAMOGIE</b>	→ Division 2 League Finalists.
<b>ROAD CYCLING</b>	→ Paidí O'Brien brought home Gold and Silver from the Road Cycling Intervarsities winning the Road Race and finishing in 2nd place in the Time Trial.
<b>DARTS</b>	→ Winners of the Jerry Quinn Memorial Trophy for the first time in the history of CIT. Semi-Finalists in the Cork City District League and K-Cab Team Fours Cup.
<b>EQUESTRIAN</b>	→ Two teams competed in both the National Tetrathlon and the Show-Jumping at the Intervarsities. A team also entered the Prix Caprilli at the Intervarsities. Viivi Huuskonen positioned 5th in Women's Overall Shooting at the Tetrathlon. A club member was also selected for SRNC Trials for the Irish Squad.
<b>FOOTBALL (LADIES)</b>	→ Reached the Semi-Final of both the League and the Lynch Cup.
<b>FOOTBALL (MEN'S)</b>	→ The Junior Team won the Munster Title, the Intermediate Team reached the Semi-Finals of the Championship and the Senior Team reached the Quarter Finals of the Sigerson Cup.
<b>GOLF</b>	→ The Golf Team reached the Semi-Final of the Shield Competition. At the Intervarsities, Ross O'Sullivan finished 4th individually.
<b>HOCKEY</b>	→ The Ladies Team created history beating Trinity 5-1 in the Plate Final of the Intervarsities. The Men's Team finished Runners-Up in the Plate.
<b>HURLING</b>	→ Senior Team reached the Quarter Final of the Fitzgibbon Cup.
<b>KARTING</b>	→ The "A" Team finished 2nd in the CUSAI Intervarsity Championships, one step up from last year!
<b>KAYAK</b>	→ CIT's Roseanne Phelan finished 2nd overall in the Long Distance General Purpose Event and Johann Olivier won the Colm Johnson Memorial Cup. Over all, CIT was the 2nd best IT in the country at the Kayak Intervarsities.
<b>KICKBOXING</b>	→ CIT hosted the Intervarsities and won 5 Bronze Medals, and "Fighter of the Tournament".
<b>ORIENTEERING</b>	→ Won 5 Medals at the Intervarsities.
<b>POOL</b>	→ 2 players made it to the final rounds at the Intervarsities with 9 making it through to the last 64. 2 players selected for Trials for the Irish Student International Team, with Kevin O'Riordan being selected. With the Irish Team at the "Home Nations", Kevin did brilliantly reaching the Semi-Final of the Singles (out of 40 competitors), and were Finalists in the Team Event.
<b>POWERLIFTING</b>	→ In January, CIT hosted the IDFPA Single Lift Nationals with 30 CIT students competing and over 8 students breaking National Records. Two CIT students competed for Ireland at the World Single Lifts Championships in France 2012 returning with two Silver Medals. CIT had 5 separate Teams in the IDFPA Team Championships, 28 Lifters in the IDFPA Push Pull Championships, 22 Lifters to the National Powerlifting Championships; a number of Lifters achieved qualification standards for International Competition and won their respective categories. Eleven Lifters competed in the European Championships; 3 Gold, 3 Silver, and 2 Bronze. Three students, Diane Galvin, Scott Mc Sweeney and Peter Lucey have qualified to represent Ireland in the 2013 World Single Lift Championships in Antwerp, Belgium.
<b>RACQUETBALL</b>	→ Holders of 3 Men's Open Doubles Titles. Intervarsities: Overall Team Winners, Individual Elite Division Winner, and 2nd in the Beginners Division.
<b>ROCK-CLIMBING</b>	→ CIT finished 7th position in the Irish Bouldering Intervarsities.
<b>ROWING</b>	→ CIT dominated at the Irish Indoor Rowing Championships achieving a 1st and 2nd place in the Men's 2000m Relay, 3rd Women's Open 500m Sprint, and 3rd in the Women's 2000m Relay.
<b>RUGBY-LADIES</b>	→ All-Ireland Division 2 League Finalists.
<b>SAILING</b>	→ Hosted the Westerns Event, ranked 3rd out of 20 Teams in the Intervarsities.
<b>SOCCER-LADIES</b>	→ Finished 3rd in the League and Soccer-Mens: Regional Futsal Winners.
<b>TABLE TENNIS</b>	→ Joint 3rd in the Team Event and joint 3rd in the Singles at the Intervarsities.
<b>TAE KWON DO</b>	→ Successfully hosted the Intervarsities: winning four Gold, two Silver, and one Bronze.
<b>TENNIS</b>	→ Won the Men's Bowl at the Intervarsities for the second year running defeating UCC.





*Dr Brendan J. Murphy, President of CIT, and of Institutes of Technology Ireland, signing the agreement with Colleges Ontario on behalf of all Irish Institutes of Technology. The agreement was signed during the 2011 Higher Education Summit organised by Colleges Ontario.*

## INTERNATIONAL LINKS

CIT has long been engaged in the development of international relationships for the benefit of its students and other stakeholders. Over many years, CIT has developed strong relationships with international institutions in Europe which have provided student exchange opportunities, staff development avenues, and research outlets that would otherwise not have been available locally. In more recent years, CIT has developed a number of highly strategic relationships in India, China, Canada, and Saudi Arabia. CIT is committed to developing long-term, strategic relationships with educational institutions of high standing to ensure that its students are provided with opportunities to learn and develop in a truly international context. International institutions are attracted by CIT's innovation ecosystem and its ability to develop graduates who are capable of making an immediate impact in industry and business. Over the last 11 years, in excess of 200 new companies have been developed from the CIT campus and these companies currently employ approximately 2,400 people.

The availability of international opportunities and an entrepreneurial environment is very attractive to students who wish to fulfil their potential.

[www.cit.ie/international](http://www.cit.ie/international)

## POSTGRADUATE STUDIES

Every year, a growing number of graduates choose CIT as their preferred destination for postgraduate education.

Whether pursuing a research or taught Masters or PhD, you can expect to work on solving complex problems in cutting edge research and innovation across a range of disciplines, with the support of expert staff that will guide and mentor you along your chosen career path. The strong, vibrant CIT research-academic community delivers opportunities for postgraduate studies in Engineering, Science, Informatics, Business, Education, Humanities, Maritime, Art & Media, and Music.

### Awards fall into the following categories:

- *Postgraduate Diploma (Taught)* – Level 9 NFQ
- *Masters (Taught)* - Level 9 NFQ
- *Masters (by Research)* - Level 9 NFQ
- *Doctorate (PhD)* - Level 10 NFQ

## ERASMUS

CIT holds an Erasmus University Charter, which facilitates student exchanges and placements with a number of partner institutions and training organisations in Europe. Post first-year students can apply to spend one or two semesters at a partner institution or they may undertake an Erasmus-funded placement period at an enterprise or research facility in another European country. The Institute is also engaged in a number of intensive joint study programmes with partner institutions, which facilitate short periods of mobility abroad for participants (10-12 days).

*"I applied to ERASMUS for a three month stay and ended up staying for nine months! I cannot advise the ERASMUS programme enough, the benefits it provided academically, socially, and personally, were incredible."* - Lisa Twohig, Visual Communications Student, who studied at the University of Staffordshire, UK., 2012/2013.

### EU Exchange Programmes

Margaret Mulderrig  
International Affairs Officer  
T: +353 21 432 6689  
E: [margaret.mulderrig@cit.ie](mailto:margaret.mulderrig@cit.ie)  
F: +353 21 433 5301

### Non-EU Programmes

Niamh Lynes  
International Office Coordinator  
T: +353 21 433 5453  
E: [niamh.lynes@cit.ie](mailto:niamh.lynes@cit.ie)

The **Postgraduate Diploma** often forms the taught element of a Masters (Taught) degree comprising 60 ECTS credits delivered over 2 semesters for full-time students. It can also be a stand-alone programme.

The **Masters (Taught)** programme involves a combination of lecture attendance, dissertation and course work. Programme duration for full-time students is normally one calendar year (three semesters), comprising 90 ECTS credits. Some of the progression and transfer opportunities include progression to doctoral degrees or to another Master degree.

The **Masters (by Research)** involves project work under the supervision of a highly qualified research leader and is examinable by thesis. The usual programme duration for fulltime students is 21 months from the date of admission to the Masters Research Register.



The **Doctoral (PhD)** programme follows the same process as that of a research Masters but involves more advanced original research work. The minimum duration for a PhD is three academic years from the date of admission to the PhD register. There is also a facility to transfer from the Masters to the PhD register in most circumstances. Various models for doctoral degree programmes now exist, ranging from the traditional research doctorate to structured and professional doctoral programmes which have substantial taught components that are geared to meeting the needs of the contemporary employment market.

### Postgraduate Research Programmes

CIT offers PhD and Research by Masters opportunities for postgraduate research across all disciplines. The main research activity is currently centered on four clusters that reflect the dominant strategic research strengths and critical mass at CIT: BioExplore (Biological Sciences; Chemistry; Biomedical Engineering); Nimbus (Electronic Engineering; Computing); Photonics (Applied Physics & Instrumentation); and Energy & Sustainable Environment (Civil, Structural & Environmental Engineering; Architecture). Further information on these and on research opportunities in Business, Humanities, Social Care, Music, and Art is available at [www.cit.ie/graduateschool](http://www.cit.ie/graduateschool).

### CIT Rísam PhD Scholarships

CIT provides funding under the Rísam Scholarship Programme for PhD research students. The Irish word Rísam, meaning to strive or achieve, underlines the purpose of this scholarship programme which is to promote high-end research directed towards the generation of new knowledge or original applications of existing knowledge. The Rísam Scholarships are awarded on a competitive basis and research proposals must be aligned with CIT's Research Prioritisation Thematic areas. Further information about these scholarships can be downloaded at [www.cit.ie/risam](http://www.cit.ie/risam).

### Contact

School of Graduate Studies | E: [graduate.school@cit.ie](mailto:graduate.school@cit.ie)  
T: 021 433 5099 | W: [www.cit.ie/graduateschool](http://www.cit.ie/graduateschool)

Please refer to Faculty/School/Departmental brochures for detailed information on the taught programmes available, and any special qualifying criteria.

## RESEARCH COMMUNITY

Research is a core dimension of CIT activity. The main focus of CIT research is to engage in excellent research that has social and economic impact in the region and beyond, creating sustainable employment, attracting and nurturing new businesses and educating a talented pool of innovative researchers. CIT researchers work with a wide range of world class international collaborators in Europe, India, Russia, China and Brazil.

CIT's research activities are structured to have a direct and meaningful impact on industry, whilst at the same time being grounded in research excellence. Research activity in CIT is primarily (though not exclusively) organised around four Institute Research Clusters which are large multi disciplinary groups of researchers working on high-level research of strategic importance to the nation; specialist Industry Centres which work closely with companies; and smaller groups or individual researchers. As a CIT postgraduate researcher you will work within the Institute's Research and Innovation Ecosystem, designed to give you the experience that will drive your career in whatever direction you wish to take it.

### The Strategic Research Clusters are:

**Information and Communications Technology** research and innovation involves engineers and scientists from electronic engineering and computing and takes place in the NIMBUS Research Centre building. NIMBUS provides space for up to 80 researchers, including facilities for undergraduate project students, visiting postgraduate students and researchers from other institutions. It also includes dedicated industry visitor workstations where company researchers can work in close collaboration with NIMBUS staff and students using NIMBUS research facilities. (<http://nimbus.cit.ie>)

**Lifesciences and Wellbeing** research involves a team of interdisciplinary scientists from the Departments of Biological Sciences, Chemistry, Computing, and Biomedical Engineering. They carry out research in areas of diagnostics, bio-analysis, antimicrobial screening, bioinformatics, peptide engineering and biomedical engineering (rehabilitation and orthopaedics).

**Photonics** research involves the science of generating and harnessing light, and impacts a wide range of areas, including telecommunications, gas sensing, medical imaging and astronomy. Facilities for photonics researchers are state of-the-art and they support comprehensive interactions with industry. ([www.cappa.ie](http://www.cappa.ie))

**The Energy and Sustainable Environment Research Cluster (ESE)** is multidisciplinary and includes the disciplines of Engineering: Chemical and Process, Mechanical and Manufacturing, Electronic, Building and Civil, Maritime, and Computing.

CIT also has New and Emerging Research in the areas of Humanities, Business, Art, and Music. These rapidly developing areas of activity are focused on addressing key issues of national and international importance.

The Astronomy and Instrumentation Group operates CIT's Blackrock Castle Observatory and Ireland's first fully interactive science and engineering exhibition. ([www.bco.ie](http://www.bco.ie))

CIT's Specialist Industry Centres are national resource centres. They provide independent expertise, advice and assistance to different sectors of industry, business and government bodies:

- Clean Technology Centre ([www.ctc-cork.ie](http://www.ctc-cork.ie)).
- Centre for Advanced Manufacturing and Management Systems ([www.camms.ie](http://www.camms.ie)).



# CIT ASSISTS YOU IN YOUR COURSE OF STUDY...

## COURSE STRUCTURES AT CIT

CIT has designed its courses in a very flexible way in order to give you the option of graduating at different levels – Bachelor Degree, Honours Degree, Professional and Postgraduate. This “Ladder” system enables you to progress through the system to qualifications appropriate to your personal requirements.

### Options at Entry

There are two main entry streams for full-time students.

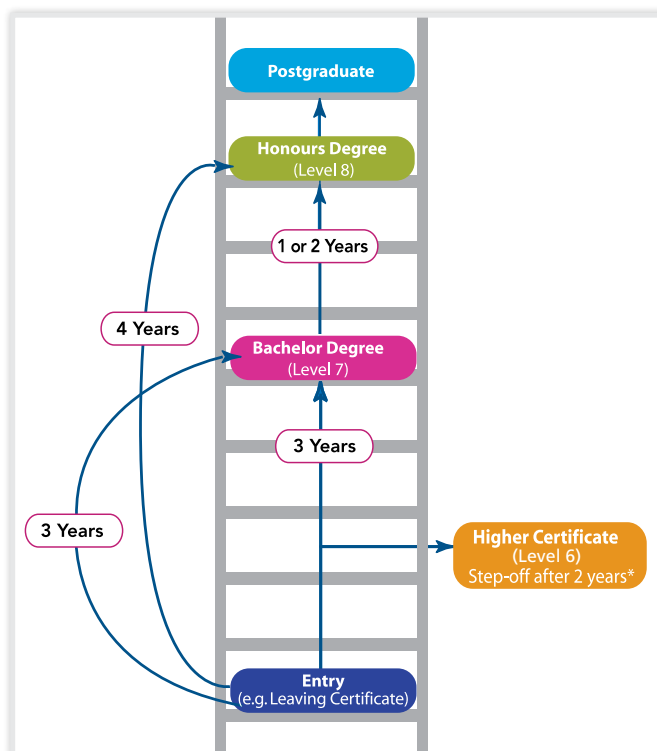
On the CAO Level 8 List, CIT offers 41 **four year Honours Degrees**. Students commit to the full four year programme from the start.

Alternatively, we have a great variety of **Bachelor Degree programmes of three years duration**, which are shown in the CAO Level 7 list. Most of these Degrees have the option to add on another year of study to gain an Honours Degree. Many of our three year Bachelor Degree programmes also have an “exit option” after two years. Students who successfully complete Year 2 of these programmes and who do not wish to progress to Year 3 will receive a Higher Certificate Award.

## CIT'S LADDER OF PROGRESSION

### Progression from Bachelor Degree to Honours Bachelor Degree

There are 54 full-time Honours Degree courses available at CIT. Most of these can be accessed from the Bachelor Degree level. Progression from a Bachelor Degree to an add-on Honours Degree normally requires a 50% average in the Bachelor Degree examination. In some cases other requirements may apply. Further details are contained in the descriptions of particular courses in this Handbook.



\* For many three-year Bachelor Degree courses, students who successfully complete Year 2 and who do not wish to progress to Year 3 will receive a Higher Certificate award.

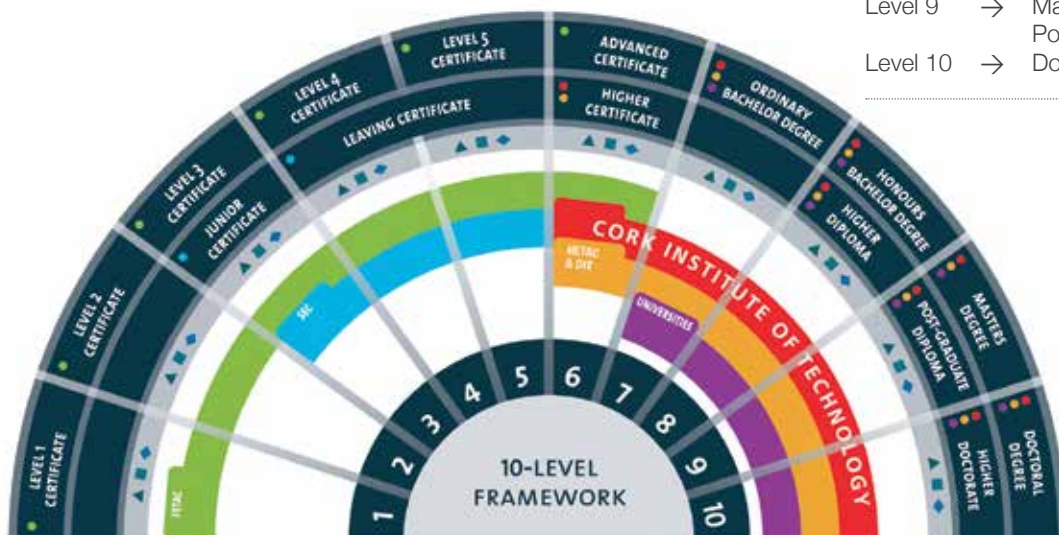
## THE NATIONAL FRAMEWORK OF QUALIFICATIONS

The Framework is an official national system for describing and linking all educational qualifications. The Framework has been established by the National Qualifications Authority of Ireland (NQA), a state body set up under the Qualifications Act 1999.

At third level, the Framework describes and links all the qualifications awarded by Institutes of Technology and Universities.

### The third level major award types (Level 6 to Level 10) are as follows:

Level 6	→	Higher Certificate
Level 7	→	Bachelor Degree
Level 8	→	Honours Bachelor Degree Higher Diploma
Level 9	→	Master's Degree Postgraduate Diploma
Level 10	→	Doctoral Degree (PhD)





## MINIMUM ENTRY REQUIREMENTS

*The following is a general guide – requirements for particular courses may vary.*

### For most Degrees on the CAO Level 7 List:

(but see exceptions listed below)

- Leaving Certificate Grade D3 at Ordinary or Higher Level in 5 subjects including Mathematics and either English or Irish.

### For most Honours Degrees on the CAO Level 8 List:

(but see exceptions listed below)

- Leaving Certificate with two Higher C3 grades and 4 Ordinary D3 grades, including Mathematics and either English or Irish.

Minimum entry requirements may be satisfied by the results of more than one Leaving Certificate.

The minimum entry requirements may be varied for Non-Standard Applicants and holders of FETAC awards.

## EXCEPTIONS

Minimum entry requirements for some CAO courses are different from the foregoing:

- BEng (Honours) Degree courses – CR 105, CR 108, CR 109, CR 500, and CR 520
- BMus (Honours)\* CR 121
- BA (Honours) in Popular Music\* CR 125, CR 126, CR 127, CR 128, and CR 129
- BA (Honours) in Theatre & Drama Studies\* CR 700
- BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)\* CR 210
- BA (Honours) in Fine Art\* CR 220
- BA (Honours) in Visual Communications\* CR 600
- BSc (Honours) in Architecture CR 606
- BSc (Honours) in Software Development CR 106
- BSc (Honours) in Software Development and Networking CR 116
- BSc (Honours) in Biomedical Science CR 320
- BSc in Nautical Science CR 094
- BEng in Marine & Plant Engineering CR 095
- BEng in Marine Electrotechnology CR 805
- BBus (Honours) in Accounting CR 400
- BA in Social Care CR 031
- BBus in Accounting CR 023
- BA in Early Years Education CR 620
- BBus in Recreation & Leisure Management CR 032
- Higher Certificate in Culinary Studies CR 655
- Higher Certificate in Hospitality Studies CR 657

\* Early Assessment Procedures apply

Full details of minimum entry requirements for courses are outlined in the relevant course information section of this Handbook. Applicants are advised to check the relevant subjects, tests and dates very carefully. In particular, there are early assessment procedures for some courses.

## CIT MATHEMATICS EXAMINATION

Some students who apply to CIT courses may not achieve the required entry standard in Mathematics through the Leaving Certificate. For such applicants, the Institute offers a second chance to reach the required entry standard through a CIT Mathematics Examination. This second chance facility allows applicants (depending on their results in the CIT Mathematics Examination) to gain entry to courses with an Ordinary Leaving Certificate Mathematics entry standard and (with a higher level of performance) courses with a Higher Leaving Certificate entry standard.

In order to avail of the CIT Mathematics Examination, students **MUST APPLY ONLINE** (<http://www.cit.ie/maths>) by 12.00 noon on Monday 18th August 2014.

The CIT Mathematics Examination is provisionally scheduled to take place on Tuesday, 19th August 2014 and is open to all applicants to CIT programmes. A fee will be charged to cover administration costs. In case of over-subscription, CIT reserves the right to restrict the number of candidates for this examination.

This examination is not obligatory and does not result in the award of CAO points. Its sole purpose is to allow a student a second chance to achieve the qualifying standard in mathematics necessary for admission to certain CIT courses. It does not interfere in any way with an application made to other courses or colleges within the CAO system.

In May, sample mathematics examination papers and full details of the arrangements for the CIT Mathematics Examination will be posted on the CIT website at <http://www.cit.ie/maths>.

## IMPORTANT INFORMATION

The CIT Mathematics Examination reflects the actual Mathematical requirements of CIT programmes. It is marked according to procedures and criteria set out by the Department of Mathematics at CIT.

This examination is specifically for applicants who have applied through the CAO for courses in CIT.

This examination does not interfere with your application for any other course in the CAO system.

CAO points are not awarded for this examination.

A pass in the CIT Mathematics Examination (i.e. 40% in Paper 1 or 40% overall) will allow an applicant to replace the Leaving Certificate Mathematics requirement of Grade D3 minimum with a Grade D3 minimum (Ordinary or Higher Level) in another Leaving Certificate subject.

Attaining a qualifying standard in the CIT Mathematics Examination does not in itself guarantee a place on any course in CIT. The cut-off points for all courses will still apply.

FOR DETAILED ADMISSIONS INFORMATION SEE  
**THE YELLOW PAGES** AT THE BACK OF THIS HANDBOOK.



# Business & Humanities at a glance

## CAO Courses

### Level 8

CR 150 BBus (Honours) in Information Systems  
CR 400 BBus (Honours) in Accounting  
CR 420 BBus (Honours) in Marketing  
CR 660 BBus (Honours) in Tourism

### Level 7

CR 010 BSc in Agriculture  
CR 011 BSc in Horticulture  
CR 021 Business Studies  
Degree Award options:  
BBus in Accounting or  
BBus in Business and Management or  
BBus in Marketing  
CR 022 Business Administration  
Degree Award options:  
BBus in Business Administration or  
BBus in Business and Management or  
BBus in Marketing  
CR 023 BBus in Accounting  
CR 031 BA in Social Care  
CR 032 BBus in Recreation & Leisure Management  
CR 041 BBus in Tourism  
CR 042 BBus in Hospitality Management  
CR 620 BA in Early Years Education  
CR 640 BBus in Culinary Arts  
CR 650 BBus in Bar Management

### Level 6

CR 655 Higher Certificate in Arts in Culinary Studies  
CR 657 Higher Certificate in Arts in Hospitality Studies

## Follow on Honours Degrees

### Level 8

BBus (Honours)  
BBus (Honours) in Business Administration  
BBus (Honours) in Hospitality Management  
BA (Honours) in Social Care  
BA (Honours) in Early Years Education  
BBus (Honours) in Sport and Leisure  
BSc (Honours) in Agriculture  
BSc (Honours) in Horticulture

## Postgraduate Programmes

MBus in Accounting (Taught)  
MBus in Management Information Systems (Taught)  
MBus in Enterprise (Taught)  
MBus in Marketing (Taught)  
MSc in Marketing Practice (Taught)  
MA in Human Resource Management  
MA in Integrative Psychotherapy (Taught)  
MBus (by Research)  
MA in Play Therapy  
MA (by Research)  
PhD

## Other Programmes

BA in Community Development  
BA (Honours) in Community Development  
Higher Certificate in Business (for Mature Students)

# Accountancy Professional Bodies

**Please Note:** All exemptions are subject to periodic review by the bodies concerned.

CIT provides the Higher Certificate in Business; Higher Certificate in Business in Accounting; BBus in Accounting; BBus (Honours) in Accounting; and the BBus (Honours). These are full-time courses which lead to either partial or full exemption from examinations. For up-to-date information, please contact the relevant Professional Accountancy Body.

## Accounting Exemptions

The professional bodies in the accountancy field are:

- The Chartered Institute of Management Accountants **CIMA**
- The Institute of Certified Public Accountants in Ireland **CPA**
- The Association of Chartered Certified Accountants **ACCA**
- Chartered Accountants Ireland **CAI**

## Chartered Institute of Management Accountants

The Chartered Institute of Management Accountants provides an internationally recognised professional accountancy qualification which entitles the successful student to Chartered status as a professional accountant.

The syllabus is made up of three elements:

1. The Managerial Level - six exams;
2. The Strategic Level - three exams;
3. The Test of Professional Competence in Management Accounting (TOPCIMA) - one exam based on a case study.

### Enquiries

CIMA Ireland  
Iveagh Court  
Harcourt Road, Dublin 2  
T: 01 643 0400  
E: [cima.ireland@cimaglobal.com](mailto:cima.ireland@cimaglobal.com)

or

Ruth Vance  
Department of Accounting and Information Systems  
T: 021 433 5512  
E: [ruth.vance@cit.ie](mailto:ruth.vance@cit.ie)

## Institute of Certified Public Accountants in Ireland

With over 5,000 members and students, the Institute of Certified Public Accountants in Ireland is one of Ireland's main accountancy bodies. The CPA qualification is recognised as equivalent to those of other statutory bodies in the EU and the qualification is included in the EC Directive on the recognition of professional qualifications - the Mutual Recognition Directive (89/48/EEC).

To qualify as a Certified Public Accountant requires passing four examinations i.e. Foundation 1, Foundation 2, Professional 1 and Professional 2.

CPA students are required to complete a minimum of 3 years relevant supervised training. CPA training can be gained in practice, in 'industry' or through a combination of both.

### Enquiries

The Institute of Certified Public Accountants in Ireland  
17 Harcourt Street, Dublin 2  
T: 01 425 1000

or

Gerard Forde  
Department of Accounting and Information Systems  
T: 021 433 5893  
E: [gerard.forde@cit.ie](mailto:gerard.forde@cit.ie)

## Association of Chartered Certified Accountants

Membership of the ACCA is internationally recognised as a professional accounting qualification. The ACCA Qualification is designed to provide the accounting knowledge, skills and professional values which will deliver finance professionals who are capable of building successful careers across all sectors, whether they are working in the public or private sectors, practising in accounting firms, or pursuing a career in business.

In order to qualify as an ACCA member, you will complete:

- 14 exams (nine of which are eligible for exemption);
- relevant practical experience, with a minimum of three years;
- a Professional Ethics module.

### Enquiries

ACCA Ireland,  
9 Leeson Park, Dublin 6  
T: 01 447 5678  
E: [info@accaglobal.com](mailto:info@accaglobal.com)

or

Colm Barry-Murphy  
Department of Accounting and Information Systems  
T: 021 433 5897  
E: [colm.barrymurphy@cit.ie](mailto:colm.barrymurphy@cit.ie)

## Chartered Accountants Ireland

Chartered Accountants Ireland members are in professional practice and in all types of industry including public practice, information systems, financial management, financial services, corporate finance and treasury management in industry, in commerce or in the public service.

Every successful CA must:

- Gain work-experience under a training contract with a Recognised Training Organisation;
- Pass professional exams (CA Proficiency 1, CA Proficiency 2, and the Final Admitting Exam);
- Demonstrate competence in Information Technology.

### Enquiries

CAI  
Chartered Accountants House  
47-49 Pearse Street  
Dublin 2  
T: 01 637 7200

or

Sylvia Dempsey  
Department of Accounting and Information Systems  
T: 021 433 5134  
E: [sylvia.dempsey@cit.ie](mailto:sylvia.dempsey@cit.ie)

# Marketing (Honours)

**CR 420** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Business (Honours) in Marketing

**Duration:** 4 Years (8 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 295 / Final: 295

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Marketing?

Marketing, the process responsible for identifying, anticipating and satisfying customer requirements profitably, is essential for business success. Marketing is important in building customer relationships as well as creating product awareness. Marketers must address what the company sells, what price it charges, how it promotes its products, and where it sells them. Marketing uses a sophisticated set of disciplines, requiring a broad understanding of technology, how to research and use data, plus a good grounding in a variety of social and business areas.

## Helpful Leaving Certificate Subjects

Business, Accounting, Economics.

## Potential Areas of Employment

- Marketing and Marketing Research
- Brand Management
- Sales and Sales Management
- Business Development



**myCIT**  
myCourse

*"What I really admire about this course, is its ability to ignite the 'creative spark' in students. If that's what you are looking for, look no further."*  
**Alan McGee**





## Module Information

<http://modules.cit.ie/cr420>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Year 1 provides the student with a foundation in core business subjects. Subsequent years will include instruction in buyer behaviour, marketing research, communications, information analysis, information technology, strategic marketing, international marketing, branding and advertising, sales operations and management, public relations, retailing, services marketing, and applications to specific products and markets.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Graduates may apply to professional bodies and may be exempt from certain examinations. Suitably qualified graduates are eligible to apply for postgraduate degrees at CIT:

- MSc in Marketing Practice
- MBus (Taught) (Part-time)
- MBus (by Research)
- PhD

## Career Opportunities

There is an extensive range of career opportunities in areas such as Market Research, Brand Management, Advertising, Promotion, Direct Marketing, Services Marketing, International Marketing and Sales Management.

## Contact Information

Brian McGrath  
Department of Management & Marketing  
T: 021 433 5923  
E: [brian.mcgrath@cit.ie](mailto:brian.mcgrath@cit.ie)

## Question Time

**I am interested in Marketing, should I choose Level 7 CR 021 or Level 8 CR 420?**

If you would like a broad range of business topics, with the opportunity to choose a business specialism such as Marketing, Business and Management, or Accounting at a later stage, you should apply for CR 021. If, however, you are confident that Marketing is your preference, you should consider applying for Level 8 CR 420 which specialises in this area from Year 1.

**If I am not doing any of the recommended subjects in the Leaving Certificate, can I still apply for this course?**

Yes, the core fundamentals are delivered in Year 1 and we assume that students have not taken these subjects.

## Business Options at CIT

ENTRY OPTIONS		AWARD LEVEL	DETAILS	ADD-ON LEVEL 8 QUALIFICATIONS
CR 021	BUSINESS STUDIES	7	OPTION 1: ACCOUNTING	ACCOUNTING OR BUSINESS
			OPTION 2: BUSINESS AND MANAGEMENT	BUSINESS
			OPTION 3: MARKETING	MARKETING OR BUSINESS
CR 022	BUSINESS ADMINISTRATION	7	OPTION 1: BUSINESS ADMINISTRATION	BUSINESS ADMINISTRATION
			OPTION 2: BUSINESS AND MANAGEMENT	BUSINESS
			OPTION 3: MARKETING	MARKETING OR BUSINESS
CR 023	ACCOUNTING	7		ACCOUNTING OR BUSINESS
CR 150	BUSINESS INFORMATION SYSTEMS	8		
CR 400	ACCOUNTING	8		
CR 420	MARKETING	8		
CR 010	AGRICULTURE	7		AGRICULTURE
CR 011	HORTICULTURE	7		HORTICULTURE

**PLEASE NOTE:** CR 021, CR 022, CR 023 and CR 010: Students who successfully complete Year 2 and who do not wish to progress to Year 3 will receive a Higher Certificate award.

Open Day 22 & 23 November

# Business Studies (Common Entry)

## CR 021 Level 7 Award

- >> Progression to Honours Degrees and Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Depends on Specialisation. Choose from:

- BBus in Accounting
- BBus in Business & Management
- BBus in Marketing

**Duration:** 3 Years (6 Semesters)

**Places:** **Course size:** 200 / **Class size:** 50

**CAO Points in 2012:** **Round 1:** 270 / **Final:** 250

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Business Studies?

Business brings together Management, Marketing, Accounting, Communications, and applications of Information Technology. Business courses aim to provide a broad business education with many opportunities to specialise. The courses are designed to be employment oriented. They are structured to give an interesting variety of topics, choice of specialist areas and choice of levels of qualifications, and they also provide the necessary skills for those seeking to set up their own enterprises.

### Helpful Leaving Certificate Subjects

Accounting, Business, Economics.

### Potential Areas of Employment

- Marketing and Marketing Research
- Brand Management
- Sales and Sales Management
- Business Development
- Accounting
- Banking and Finance
- Insurance
- General Management
- Teaching and Lecturing



**myCIT**  
**myCourse**

*"The course gave me a great insight into all areas of business, from management and marketing to accounting and economics - all vital for understanding how business works. The course also ensured I had great lecturer contact."*

**Michael Barry**



[www.cit.ie/course/CR021](http://www.cit.ie/course/CR021)

## Module Information

<http://modules.cit.ie/cr021>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

If you would like a broad range of business topics, with the opportunity to choose a business specialism such as Marketing, Business and Management or Accounting at a later stage, you should apply for CR 021.

Students applying under CR 021 share a common Year 1 and then choose their preferred Degree at the end of Year 1. This gives students the opportunity to study business subjects before deciding on the stream they wish to follow.

Students can choose from the following Degree programmes:

- Bachelor of Business in Accounting
- Bachelor of Business in Business and Management
- Bachelor of Business in Marketing

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Subject to availability of places and specialisation, suitably qualified graduates are eligible to apply for entry to Year 4 (final) of:

- BBus (Honours) in Accounting
- BBus (Honours) in Marketing
- BBus (Honours)

The BBus (Honours) Degree satisfies the Degree requirements of the Teaching Council. As with other Degrees, a training and teaching qualification such as a Professional Diploma in Education (PDE) is also required.

Suitably qualified graduates may progress to postgraduate studies.

## Contact Information

Brian McGrath  
Department of Management & Marketing  
T: 021 433 5923  
E: [brian.mcgrath@cit.ie](mailto:brian.mcgrath@cit.ie)

## Question Time

### What is the advantage of doing the Common Entry?

If you would like a broad range of business topics, with the opportunity to choose a business specialism such as Marketing, Business and Management, or Accounting at a later stage, you should apply for CR 021. If, however, you are confident that Accounting or Marketing is your preference, you should consider applying for the relevant Level 7 or Level 8 course which specialises in that area from Year 1.

### Is there a European language requirement for the course?

No, however, students who pursue French as an elective in Year 1 are expected to have completed a French Course at Leaving Certificate Level.

### Will I be at a disadvantage if I did not study Business or Accounting in the Leaving Certificate?

No, the core fundamentals of Accounting and Business are delivered in Year 1.

**myCIT**  
**myCareer**

**John Healy**  
Teacher



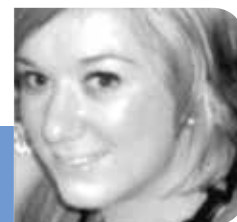
John Healy completed his BBus (Honours) (his major was in Accounting) and completed a Master in Business in 2010.

"It is a great college. I learned a lot about business, from Marketing to Accounting to Law. I played football and hurling with CIT which was a great experience."

Having gained maximum exemptions from his studies in CIT, John plans on completing his professional accountancy exams in the near future. John is presently teaching Business at Davis College, Mallow.

**myCIT**  
**myCareer**

**Niamh Scally**  
Brand Manager



"I graduated with the Bachelor of Business (Honours) Degree and gained a place with IBEC's Export Orientation Programme with Irish Distillers and was placed in Sweden. I was responsible for the marketing of the Jameson Whiskey there.

After a year, I returned to its head office in Dublin, where I worked on marketing all the brands in the firm. I then worked with American Express in Australia before taking up my present role as Brand Manager with Centra headquarters in Cork."

Open Day 22 & 23 November



# Accounting (Honours)

## CR 400 Level 8 Award

>> Progression to Postgraduate Programmes and Professional Accountancy Qualifications

**Application:** CAO

**Award Title:** Bachelor of Business (Honours) in Accounting

**Duration:** 4 Years (8 Semesters)

**Places:** 40 (between CR 400 and CR 023)

**CAO Points in 2012: Round 1:** 325 / **Final:** 325

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or C3 (O)	D3 (O/H)

### What is Accounting?

All businesses need to record details of their trading transactions (e.g. sales and purchases) so that they know who owes them money and what money they owe. This information is also used to assess the financial 'health' of the business and to make plans for the future. Accountants are involved in making many decisions necessary for the efficient operation of a business. Therefore, a well-run accounting function is critically important to the long-term management of a business.

### Helpful Leaving Certificate Subjects

Accounting, Business, and Economics.

### Potential Areas of Employment

- Accountant in Practice
- Accountant in Industry
- Banking/Finance
- Teaching and Lecturing



**myCIT**  
**myCourse**

*"The best thing about Accounting in CIT is the support from all our lecturers when delivering course material and preparing for examinations. In addition the course has excellent exemptions from all the professional accountancy bodies."*  
**James O'Sullivan**



[www.cit.ie/course/CR400](http://www.cit.ie/course/CR400)

## Module Information

<http://modules.cit.ie/cr400>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This four year Honours Degree programme offers an advanced specialist education in accounting as a firm base for either further academic study, a career in business or the pursuit of a professional qualification with one of the accountancy bodies. CIT offers Accounting students the benefit of small class sizes initially which assist with a smoother transition from second level and all CIT Accounting lecturers have professional qualifications and relevant industry experience.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Upon successful completion of the Honours Degree, graduates with excellent exemptions from the professional accountancy bodies can enter industry or practice (i.e. work for a firm of accountants).

Graduates of the BBus (Honours) in Accounting may apply to the CIT full-time ACCA Programme. This programme provides graduates with the opportunity to complete the ACCA qualification on a full-time study basis.

The advantage of completing this programme is that graduates will have their ACCA studies completed before they commence work and will not have to try combine work and study.

Suitably qualified graduates are eligible to apply for postgraduate programmes at Master's level.

## Career Opportunities

Graduates from CIT accounting programmes secure employment within accountancy practices and also as accountants in industry. In practices, graduates work in the "Big 4" accountancy firms (PwC, KPMG, Ernst & Young and Deloitte), and with medium and small accountancy firms. Industry employers include Apple, EMC<sup>2</sup>, Dairygold, Kerry Group, Quintas, Musgrave Group, South Western Services (SWS), Financial Control Outsourcing Services (FCOS), PepsiCo, Bank of New York Mellon and State Street Bank.

## Contact Information

Colm Barry Murphy  
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## Question Time

### What do I need to do after qualifying in CR 400 to become an accountant?

After attaining your BBus (Honours) in Accounting, you need to fulfil the additional requirements of the Accountancy Body with which you wish to qualify. This typically requires 3 to 3½ years relevant work experience and additional examinations.

### Will I receive exemptions from the main professional bodies?

Yes. The BBus (Honours) in Accounting currently has exemptions for Chartered Accountants Ireland, Chartered Institute of Management Accountants, Association of Chartered Certified Accountants, and Certified Public Accountants. These exemptions ensure that our graduates can minimise the number of exams necessary to qualify as an accountant after completing their Honours Degree. Please see Page 14 for information on exemptions.

### If I did not study Accounting at Leaving Certificate, can I study Accounting CR 400?

Yes. You do not have to have studied accounting as all modules in Year 1 assume no prior knowledge of content.

### What career options are available other than a professional accountant?

Accountancy is a relevant background for any career in business. Many leading CEOs have an accountancy qualification. Accounting graduates can work in management, finance, insurance, banking, risk and compliance, project management, management consultancy, teaching and lecturing.

**myCIT**  
**myCareer**

**David Coughlan**  
Accountant



"The Accounting course in CIT was really beneficial in preparing me for the work place. I work with KPMG, a leading professional services firm.

I work in the Audit Department where my work mainly involves the audit of funds. I'm currently training to be a Chartered Accountant and hope to pass my CAI exams in the near future.

One of the best decisions I've made was choosing CIT and studying there has played a massive role in helping me to get to where I am today."

Open Day 22 & 23 November

# Accounting

## CR 023 Level 7 Award

- >> Progression to Honours Degrees, Postgraduate Programmes and Professional Accountancy Qualifications
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Business in Accounting

**Duration:** 3 Years (6 Semesters)

**Places:** 40 (between CR 023 and CR 400)

**CAO Points in 2012:** Round 1: 310 / Final: 300

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
3	2	D3 (H) or C3 (O)	D3 (O/H)

### What is Accounting?

All businesses need to record details of their trading transactions (e.g. sales and purchases) so that they know who owes them money and what money they owe. This information is also used to assess the financial 'health' of the business and to make plans for the future. Accountants are involved in making many decisions necessary for the efficient operation of a business. Therefore, a well-run accounting function is critically important to the long-term management of a business.

### Helpful Leaving Certificate Subjects

Accounting, Business, and Economics.

### Potential Areas of Employment

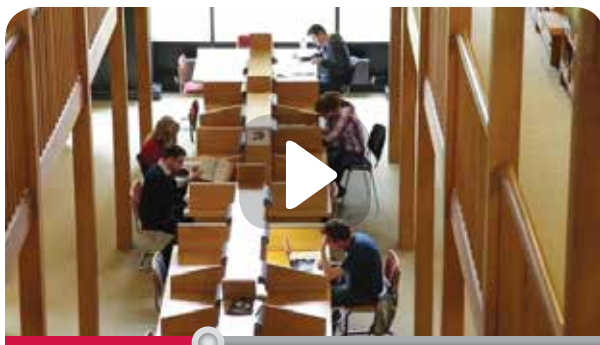
- Accountant in Accountancy Firm
- Accountant in Industry
- Banking/Finance



**myCIT**  
**myCourse**

*"The course offers a broad range of subjects and has developed my skills in areas such as communications and team building. The size of my class is quite small which gives my classmates and I great contact time with our lecturers and the ability to generate discussions on certain topics."*

**Malcolm Coombes**



[www.cit.ie/course/CR023](http://www.cit.ie/course/CR023)



## Module Information

<http://modules.cit.ie/cr023>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course offers a firm base for either further academic study or for pursuing a professional qualification with one of the professional accountancy bodies. Students who graduate with the Bachelor of Business in Accounting will find an interesting range of job opportunities in a variety of accountancy practices or in industry. Most subjects focus in-depth on the accounting discipline. Graduates are entitled to exemptions from the professional bodies on successful completion of this programme and further exemptions on successful completion of an Honours Degree.

## Further Studies

For details, [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to Year 4 (final) of:

- Bachelor of Business (Honours) in Accounting or
- Bachelor of Business (Honours)

## Career Opportunities

Graduates will have received a broad business education and work for a variety of global, national and local accountancy firms such as KPMG, PwC, Ernst & Young, Deloitte, and many others. Graduates also work as accountants in industry for example in Kerry Group, PepsiCo, Musgrave Group, Apple, EMC<sup>2</sup>, Dairygold, Quintas, South Western Services (SWS), Financial Control Outsourcing Services (FCOS), Bank of New York Mellon, and State Street Bank.

## Contact Information

Sylvia Dempsey  
Department of Accounting and Information Systems  
T: 021 433 5134  
E: [sylvia.dempsey@cit.ie](mailto:sylvia.dempsey@cit.ie)

## Question Time

### If I did not study Accounting at Leaving Certificate, can I study Accounting CR 023?

Yes. You do not have to have studied accounting as all modules in Year 1 assume no prior knowledge of content.

### Can I commence my professional exams after my three year qualification in CR 023?

Yes. There are many exemptions for the accountancy body examinations after this course. These are available on their websites. Chartered Accountants Ireland ([www.charteredaccountants.ie](http://www.charteredaccountants.ie)), Chartered Institute of Management Accountants ([www.cimaglobal.com](http://www.cimaglobal.com)), Association of Chartered Certified Accountants ([www.accaglobal.com](http://www.accaglobal.com)), and Certified Public Accountants ([www.cpaireland.ie](http://www.cpaireland.ie)). Please see Page 14 for information on exemptions.

### I'm interested in Accounting, should I choose CR 021 or CR 023?

If you are certain that you want a career in Accounting then you should choose CR 023, as the focus of this course is on accountancy from day one. However, if you still have not decided whether it is accountancy, management or marketing you wish to specialise in then you should choose CR 021.



**myCIT**  
**myCareer**

**Aisling Cahill**  
Accountant



"I received great support and career advice in CIT. Not only did I receive the accounting skills and knowledge base needed to launch a successful career, but also essential communication, interpersonal and team building skills.

I decided that management accounting was the area I wanted to specialise in and found the concept of working in industry very appealing.

I now work with the Kerry Group in a Commercial Accounting role and I am studying for my CIMA exams where I received fantastic exemptions."

Open Day 22 & 23 November

# Business Information Systems (Honours)

## CR 150 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Business (Honours) in Information Systems

**Duration:** 4 Years (8 Semesters)

**Places:** 60

**CAO Points in 2012:** Round 1: 325 / Final: 315

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Business Information Systems?

Business Information Systems involves a strong mix of business related and technology related topics allowing students to examine from a business perspective the use and management of information technology in a variety of business environments. This will include a knowledge of systems integration; management; marketing; financial and management accounting; information communication technology strategy; computer applications; enterprise resource planning systems; legal studies; entrepreneurship; international business; project management; and systems analysis and development.

### Helpful Leaving Certificate Subjects

Mathematics, and Business.

### Work Placement

There is a mandatory work placement of a minimum of 3 months in Year 3.

### Potential Areas of Employment

- IT Consultant
- Business Analyst
- IT Developer
- Project Manager



**myCIT**  
**myCourse**

*"My work placement was in the Product Support Engineering Lab in EMC<sup>2</sup> and on completion of my Degree, I secured a permanent position with the Company. The BIS course has been really beneficial in preparing me for the working world."*  
**Elaine Deasy**



[www.cit.ie/course/CR150](http://www.cit.ie/course/CR150)

## Module Information

<http://modules.cit.ie/cr150>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The aim of the Honours Degree is to educate and train students in a wide range of Business and Information Systems skills. The course is assessed by end of module examination and through a significant amount of continuous assessment and project work throughout the four years.

In Year 3, students are required to complete a work placement (typically ranges from three to six months) in an IT related role in business. It will involve a set of agreed objectives for your placement, as well as the assistance of a person on site and a member of the academic staff at CIT.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Honours graduates may be eligible to apply for a postgraduate programme at Master's Level.

## Career Opportunities

The graduate develops a large range of skills and abilities which may lead to employment in diverse jobs/areas such as a Systems Analyst; Project Manager; Management Consultant; Systems Administrator; Webmaster; Business Analyst; Customer Relationship Management; Management Accountant; Purchasing and Supply Chain Management; Logistics; Business Development Manager; Enterprise Systems Manager; Operations Management; Financial Analyst; Marketing and Market Research across a large variety of industries, including manufacturing, food processing, software, as well as banking and financial services.

## Contact Information

Martin Connolly  
Department of Accounting and Information Systems  
T: 021 433 5807  
E: [martin.connolly@cit.ie](mailto:martin.connolly@cit.ie)

## Question Time

### How much Business content is in the course?

The course is 50% Business oriented and 50% Information Technology and Information Systems oriented.

### What level of proficiency with computers do you need?

Subjects are taught at an introductory level in Year 1.

### What kind of Programming is involved?

Programming is an important skill to have in the area of Business Information Systems. Visual Basic, C#, and PHP are some of the exciting and useful programming languages that you will be working on.

### What computing topics are involved?

IT topics covered on the course include Systems Analysis and Design, Database Design and Management, Computer Networks, Information Systems Project Management, Web Applications Development, and Enterprise Systems.



**myCIT**  
**myCareer**

**Kevin Walsh**  
Business Systems Manager



"My work placement in Year 3 led me to work in the Business Process Department of Trend Micro. After graduation, I returned to Trend Micro and worked on a two year global project which enabled me to travel and see the completion of my efforts move into a production environment.

I am currently employed by McAfee as a Business Systems Manager. My role includes facilitating systems integrations, working with partners on smarter ways to do business, and running multiple projects. Without doubt, CIT prepared me well for my career and I would highly recommend both CIT and Business Information Systems course to anyone who has an interest in understanding key links between the business world and IT."

Open Day 22 & 23 November



# Business Administration

## CR 022 Level 7 Award

>> Progression to Honours Degrees

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Depends on Specialisation. Choose from:

- BBus in Business Administration
- BBus in Business & Management
- BBus in Marketing

**Duration:** 3 Years (6 Semesters)

**Places:** 50

**CAO Points in 2012:** Round 1: 230 / Final: 210

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

Holders of relevant NCVA/FETAC awards may apply through the CAO.

### What is Business Administration?

Computers and information technology have forever altered the way business and communications are transacted. Social media, cloud computing, accounting software, desktop publishing, and the Internet have all transformed the working environment. Business Administration provides students with the technology skills and business acumen which are essential to manage a modern organisational environment.

### Helpful Leaving Certificate Subjects

Business, English, and Mathematics.

### Work Placement

There is mandatory work placement of fifteen weeks for students taking the Business Administration specialisation in Year 3.

### Potential Areas of Employment

- Office Administrator
- Key Account Manager
- Customer Relationship Executive
- Digital Marketing Executive



**myCIT**  
**myCourse**

*"I got the opportunity to go on an Erasmus Programme to Southampton to learn about entrepreneurs and building a stable business. I would highly recommend this course, due to the network of people the student connects with industry linked projects, it has a practical orientation strategy and the lecturers are very helpful and approachable."*

**Yvonne Geary**



[www.cit.ie/course/CR022](http://www.cit.ie/course/CR022)



## Module Information

<http://modules.cit.ie/cr022>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course aims to provide students with the technologies and practices which are essential to manage in a modern organisational environment. Students have the opportunity to learn a wide range of fundamental skills including; document presentation, desktop publishing, database systems, spread sheets, accounting, marketing, management, HRM, web design, management information systems, public relations, project management, digital marketing, social media, event management and more.

On successful completion of Year 2, students can choose to continue on the Bachelor of Business in Business Administration or may opt to transfer to the Bachelor of Business in Business and Management or the Bachelor of Business in Marketing.

Students taking the Business Administration specialisation in Year 3 undertake a fifteen week work placement. Students have the benefit of an academic mentor from CIT and a mentor in the workplace. Feedback from students and our industry partners has been very positive to date. In many cases students have secured full-time employment as a result of the placement.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Bachelor of Business in Business Administration graduates who achieve the specified level of academic performance are eligible to apply for entry to the one year add-on:

- BBus (Honours) in Business Administration
- or
- BBus (Honours) in Business

## Career Opportunities

Business Administration graduates undertake a wide range of administrative duties and may obtain employment in areas such as administration, marketing, IT, financial and shared services, banking, insurance, media, customer service, health service, local authorities, and fund services.

## Contact Information

Finbarr Sheehan  
Department of Accounting and Information Systems  
T: 021 433 5129  
E: [finbarr.sheehan@cit.ie](mailto:finbarr.sheehan@cit.ie)

## Question Time

### Are there language recommendations for the course?

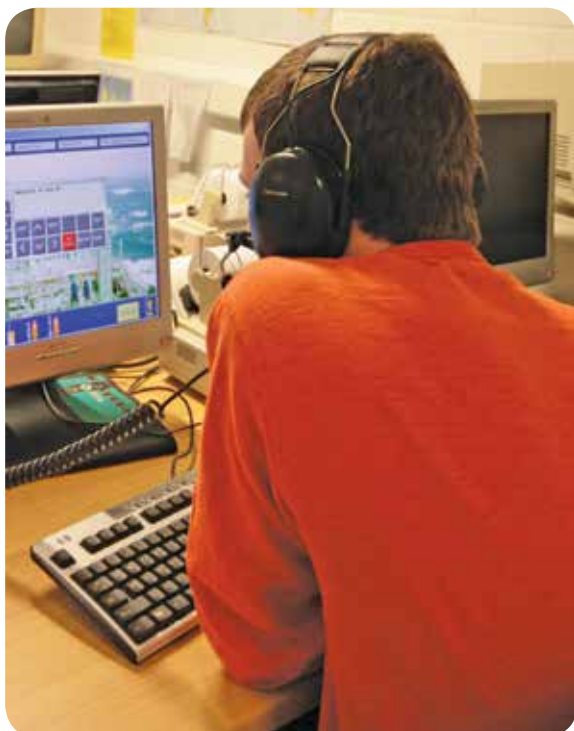
If taking French as an elective in Year 1, students are expected to have Leaving Certificate French. Languages German, Spanish, and Italian are at beginner level.

### What are the typical student numbers in first year?

First year course/class size is approximately 50. Computer lab groups are a maximum of 25.

### How much IT is involved in the course?

Over a third of the programme modules are focused on developing IT skills and working with business related software packages.



**myCIT**  
**myCareer**

**Anna Casey**  
Accounts Administrator



"Studying Business Administration in CIT has been extremely beneficial to my career prospects. I currently work for Healthcare21; leading supplier of the healthcare market in Ireland. My position is Accounts Administrator.

In my opinion the work placement aspect of this course was invaluable in preparing me for a real working environment. The experience I gained was of great importance as it provided me with an opportunity to identify my potential career paths."

Open Day 22 & 23 November

# Agriculture

## CR 010 Level 7 Award

>> Progression to Honours Degree

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Agriculture

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**Location:** CIT Bishopstown and Teagasc Clonakilty Agricultural College

**CAO Points in 2012: Round 1:** 340 / **Final:** 330

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

Holders of relevant NCVA/FETAC awards may apply through the CAO.

### What is Agriculture?

Agriculture is of major importance in the Irish economy and represents the art and science of growing plants and the raising of animals for food, other human needs, or economic gain. The agri-food sector contributes significantly to Ireland's GDP, employment and exports. Most Irish farms are family operated, with the farmer being the owner, manager and provider of much of the labour. This wide remit calls for a range of knowledge and skills. In addition, the agri-business sector has been identified as a major sector for growth in the coming years across a range of associated industries.

### Helpful Leaving Certificate Subjects

English, Mathematics, Biology, and Agricultural Science.

### Work Placement

There is mandatory work placement for a minimum of 15 weeks in Year 2.

### Potential Areas of Employment

- Farm Manager
- Agricultural Consultant
- Sales Representative
- Retail Management



**myCIT**  
**myCourse**

*"I finished my Degree in summer 2012 and I have taken a year out from my job with Teagasc to work as a manager on a farm in New Zealand. I know that the wide range of skills obtained while studying for my Degree has helped to secure this position. I also have been offered new opportunities in Teagasc for when I return from New Zealand."* **John Tobin**



## Module Information

<http://modules.cit.ie/cr010>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The students attend both Cork Institute of Technology and Teagasc Clonakilty Agricultural College throughout the course.

- In Year 1, students spend four days in Clonakilty and one day in CIT.
- In Year 2, students spend two days in Clonakilty and three days in CIT.
- In Year 3, students spend five days in CIT.

Students are required to complete a minimum of 15 weeks work placement in Year 2 in an agriculture related business. It will involve a set of agreed objectives for your placement, as well as the assistance of a person on site and a member of the academic staff at Teagasc Clonakilty Agricultural College or CIT. Students can travel on work placement to international destinations such as New Zealand, Australia, USA, or UK. It is a fantastic opportunity for students to travel and learn simultaneously. Placement can also be organised in Ireland.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Science (Honours) in Agriculture

Graduates of the programme can also pursue specialisations in Agriculture with other Higher Education Institutes in Ireland and overseas.

## Career Opportunities

The course develops farming, business and management skills to enable graduates to follow careers as successful commercial farmers or in the agri-business sector. It will provide graduates with the skills they will need to be able to participate actively in policy decisions – whether they are local, regional or international – which will influence their profession and its role in a modern economy.

## Contact Information

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## Question Time

### What level of Business is involved in the course?

The programme is taught using one third business modules and two third agriculture or science related modules.

### Do I have to be a farmer to study Agriculture?

No. The course has access to the farm resources at Teagasc Clonakilty Agricultural College necessary to complete the programme.

### What are my other career prospects if I don't want to go into farming?

Graduates can progress to complete the one year add-on BSc (Honours) in Agriculture or pursue employment opportunities with agricultural related business, e.g. sales representative, quality control and production manager or agricultural advisor.

### Are there travel opportunities?

Each year, students undertake placement opportunities overseas, e.g. with large dairy farms in New Zealand. Graduates have travelled abroad to continue their career in agriculture.

**myCIT**  
**myCareer**

**Ivan Deane**  
Quality Control



Ivan graduated from CIT with a BSc in Agriculture. "Alternating between CIT and Teagasc Clonakilty Agricultural College was very beneficial as it gave me an in-depth view of the practical side of agriculture while ensuring that the theory and business end was covered also."

Using his qualification, Ivan began work with Shannonvale Foods in Clonakilty where his role is based in Quality Control. He ensures that the high standards of excellence are maintained through monitoring and controlling of the manufacturing processes at the company.

Open Day 22 & 23 November



# Horticulture

## CR 011 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Science in Horticulture

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**Location:** CIT Bishopstown and Teagasc Clonakilty Agricultural College

**CAO Points in 2012: Round 1:** 185 / **Final:** AQA

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

Holders of relevant NCVA/FETAC awards may apply through the CAO.

### What is Horticulture?

The term Horticulture is described as the science or art of cultivating fruits, vegetables, flowers or ornamental plants and can be divided into commercial and amenity sectors.

The Commercial sector is involved with the production of food crops and added value products such as fruits, vegetables and mushrooms in the field or under protection, and of ornamental products such as trees, shrubs and bedding plants.

The Amenity sector includes Garden Centre and DIY retailing, Landscape Design, Construction and Maintenance, the Turf Grass industry (golf course, other sports turf, etc.), the development and overseeing of public parks and gardens, roadside plantings, ecological conservation, sustainability and heritage projects.

### Helpful Leaving Certificate Subjects

English, Mathematics, and Biology.

### Work Placement

There is a mandatory work placement of 15 weeks in Year 2.

### Potential Areas of Employment

- Garden Centre Manager
- Organic Producer of Vegetables or Fruit
- Greens Keeper
- Nursery Stock Manager



**myCIT**  
**myCourse**

*"I have just finished my first year and thoroughly enjoyed it. I visited great Horticultural enterprises like nurseries and organic growers throughout the year and made great friends with my class. I also got to take part in an Institute of Horticulture competition and came third in Ireland!"*

**Cara Tremayne**





## Module Information

<http://modules.cit.ie/cr011>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course is unique in its mix of knowledge and skill in three distinct disciplines – business; science; and art.

There are two distinct areas within Horticulture.

- **Amenity:** This includes landscape design along with constructing and maintaining parks, public areas, sports grounds, recreation facilities and roadsides. Interior landscaping is a specialism within amenity horticulture which is concerned with the design, installation, and maintenance of plantings in shopping centres, office buildings, hotels, residences, etc.
- **Commercial:** This involves growing crops for sale. Crops include fruit and vegetables, nursery stock and bedding plants.

The students attend both Cork Institute of Technology and Teagasc Clonakilty Agricultural College throughout the course.

- In Year 1, students spend four days in Clonakilty and one day in CIT.
- In Year 2, students spend three days in Clonakilty and two days in CIT.
- In Year 3, students spend five days in CIT.

Students are required to complete a work placement in Year 2 in a horticulture related business. It will involve a set of agreed objectives for the placement, as well as the assistance of a person on site and a member of the CIT academic staff.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Science (Honours) in Horticulture

Graduates of the programme can also pursue specialisations in areas such as Botany, Biotechnology, and Business Management with other higher education institutes in Ireland and overseas.

## Career Opportunities

In addition to the potential areas of employment listed, graduates may also be employed as Market Gardeners; Landscape Designers; Landscape Construction Managers; Plant Propagators; Nursery/Floral Production Managers; Tree Management/Arborist; Turf Management; Environmental Planning; and may also do research.

## Contact Information

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Teagasc Clonakilty Agricultural College  
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E: [majella.moloney@teagasc.ie](mailto:majella.moloney@teagasc.ie)

## Question Time

### What is enjoyable about this course?

The course has a variety of subjects, projects and horticultural visits from very diverse content reflecting the Science, Business and Art of the Horticulture Industry itself. Students enjoy the area of Landscape Design and visiting world renowned large local gardens, field and glasshouse production of food or ornamental products.

### What are the typical student numbers in first year?

First year course/class size is 20 which reflects the practical nature of the course. Smaller classes also play a key role in ensuring student success.



Teagasc Clonakilty Agricultural College

Open Day 22 & 23 November

# Tourism (Honours)

**CR 660** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Business (Honours) in Tourism

**Duration:** 4 Years (8 Semesters)

**Places:** 30

**CAO Points in 2012: Round 1:** 260 / **Final:** 260

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Tourism?

Tourism is a dynamic, global industry through which people experience the culture, heritage and environment of other countries, whether they are travelling for leisure, business or indeed adventure.

A wide variety of employment opportunities are available to specialists in the area of Tourism as it involves the management and operation of a vast range of businesses, which include airlines, hospitality providers, cruise and ferry operators, tour operators, visitor attractions, heritage centres, travel agencies and destination management organisations.

## Helpful Leaving Certificate Subjects

A European language, Geography, and Business subject(s).

## Potential Areas of Employment

- Festival and event management
- Business Tourism
- Social media and E-tourism
- Tourism promotion and marketing
- Visitor attractions & activity management
- Destination management organisations
- Travel agencies and tour operations.
- Airport and Airlines



**myCIT**  
**myCourse**

*"I decided I wanted to finish my Degree abroad in an international programme and the CIT Tourism Honours Programme offers me an intimate, challenging and quality education with small class sizes and excellent Lecturers."*

**Laura Chenery, Canadian Student**



[www.cit.ie/course/CR660](http://www.cit.ie/course/CR660)

## Module Information

<http://modules.cit.ie/cr660>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Bachelor of Business (Honours) in Tourism provides students with the expertise and knowledge needed to become a successful manager or entrepreneur in this challenging and exciting industry. This course has a strong emphasis on the broad business, management and marketing subjects complemented with tourism specific modules. Learning is based around class delivered lectures, field trips, practical lab classes, guest speakers, and both group and individual project work.

CIT has an excellent reputation for working in partnership and consultation with the travel and tourism industry. The delivery of certain modules provides the student with the opportunity to engage actively with industry. In the past, projects have been conducted on behalf of Fota Wildlife Park, Kinsale Chamber of Tourism, Blackrock Castle, Spike Island Tourism Development Plan, Clonakilty Chamber of Commerce, Cork City Council, and Cork County Council.

Students have access to the wider institute facilities such as an excellent library, IT facilities, student accommodation, sports and recreation facilities, and other student supports. Student facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates may progress to a Master's Degree at CIT and subsequently to Doctoral Studies leading to the award of a PhD.

## Career Opportunities

Graduates have numerous opportunities in this dynamic and exciting tourism industry both nationally and internationally. The range of skills throughout the course includes marketing, management, human resources, language, social media, IT, communication, and customer services. These allow for the graduate to be flexible in terms of their employment prospects.

Many graduates progress to managerial positions in travel operations while others take an entrepreneurial role and run their own tourism related business. Other opportunities for employment include airlines, airport operations, travel agencies, government and semi-state organisations, sea carriers, resort representatives, coach tour operators, activity management, tourism environmental management, and local tourism development and promotions.



## Contact Information

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## Question Time

### Is it essential to have studied a language before commencing the course?

Having a European language is very useful, but it is not essential to have studied one before as languages (except French) are generally taught from the introductory stage. It should be noted that the study of a language is mandatory for year one of the course.

### Are there opportunities to work outside the tourism industry?

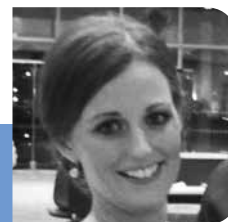
The course provides the student with a broad range of business and entrepreneurial skills which are transferable to a wide range of service industries, such as finance, retail, education and IT in addition to general marketing and management businesses.

### Are there opportunities to travel?

The nature of the tourism industry allows students to take up opportunities abroad and to travel and work overseas. Students are also provided with the opportunity to study for a semester abroad on an Erasmus programme in one of CIT's partner institutions.

**myCIT**  
**myCareer**

**Laura Tangney**  
[Killarneyonamap.ie](http://Killarneyonamap.ie)



Laura's business KillarneyonaMap.ie won the prestigious title of 'Website of the Year' in the 'Travel, Tourism & Hospitality' category at the National Website Awards, fighting off competition from entries such as Fáilte Ireland and The Guinness Storehouse. The awards are considered an important benchmark for distinction in web-based business strategies.

Laura is a graduate of CIT, where she studied Tourism. Since leaving CIT, Laura has worked in a number of hotels in a marketing capacity, before establishing her current business.

Open Day 22 & 23 November



# Tourism

## CR 041 Level 7 Award

- >> Progression to Honours Degree and Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Business in Tourism

**Duration:** 3 Years (6 Semesters)

**Places:** 30

**CAO Points in 2012: Round 1:** 240 / **Final:** 225

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Tourism?

The global tourism sector is continuing to expand in all sectors, providing worldwide opportunities for enterprise and development across a wide range of activities and businesses including regional tourism development, tourism promotion and marketing, visitor and heritage attractions, conference and exhibitions, air, sea and land transport, reservations and bookings, both agency and online. There are also the areas of holiday activity, entertainment, and the traditional hospitality providers of food and accommodation.

Tourism is a dynamic and competitive industry. It requires the ability to constantly adapt to customers' changing needs and desires, as the customer's satisfaction, entertainment and enjoyment are particularly the focus of all tourism businesses.

### Helpful Leaving Certificate Subjects

European Language, Geography, and Business Subject(s).

### Potential Areas of Employment

- Tourism & Heritage Promotion and Development
- Air, Cruise, and Coach based Travel and Management
- Visitor Attractions & Activity Centres
- Tourism Promotion & Marketing
- State Bodies involved in Tourism
- Social media and marketing
- Travel agencies and tour operations



**myCIT**  
**myCourse**

*"I loved studying tourism in CIT because of the small classes and the lecturers, who are not only excellent in what they do, but are always available and get to know their students"*

**Emma Aherne**



[www.cit.ie/course/CR041](http://www.cit.ie/course/CR041)



## Module Information

<http://modules.cit.ie/cr041>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Bachelor of Business in Tourism provides students with the expertise and knowledge needed to become a successful manager or entrepreneur in this challenging and exciting industry. This course has a strong emphasis on the broad business, management and marketing subjects complemented with tourism specific modules. Learning is based around class delivered lectures, field trips, practical lab classes, guest speakers, and both group and individual project work.

CIT has an excellent reputation for working in partnership and consultation with the travel and tourism industry. The delivery of certain modules provides the student with the opportunity to engage actively with industry. In the past, projects have been conducted on behalf of Fota Wildlife Park, Kinsale Chamber of Tourism, Blackrock Castle, Spike Island Tourism Development Plan, Clonakilty Chamber of Commerce, Cork City Council, and Cork County Council.

Students have access to the wider institute facilities such as an excellent library, IT facilities, students accommodation, sports and recreation facilities, and other student supports. Student facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to Year 4 of

→ Bachelor of Business (Honours) in Tourism

Graduates may subsequently progress to postgraduate studies at CIT or at other third level institutes and colleges.

## Career Opportunities

Graduates have gained the necessary qualifications to enable them to work in a fast-moving, creative and challenging industry. These include planning, promotion, marketing and development of tourism business projects along with entrepreneurial tourism opportunities.

Other opportunities for employment include airlines, airport operations, travel agencies, government and semi-state organisations, sea carriers, resort representatives, coach tour operators, activity management, and in the area of local tourism development and promotions.



## Contact Information

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## Question Time

### Is it essential to study a language on this course?

Skills in an international language(s) are very useful in the tourism sector. Generally we offer languages from an introductory level, with the exception of French. It should be noted that the study of a language is mandatory for Year 1 of the programme.

### Are there opportunities to work outside the tourism industry?

The programme provides the student with a broad range of business and entrepreneurial skills which are transferable to a wide range of service industries, such as finance, education, retail, and IT in addition to general marketing and management businesses.

### What level of marketing is incorporated into the course?

The course places equal emphasis on tourism and business management, of which marketing is a key component.

### Are there opportunities to travel?

The nature of the tourism industry allows students to take up opportunities abroad and to travel and work overseas. Students are also provided with the opportunity to study for a semester abroad on an Erasmus programme in one of CIT's partner institutions.

**myCIT**  
**myCareer**

**Karen Buchanan**  
Tourism Entrepreneur



"I really benefited from my time at CIT and gained invaluable knowledge and experience. Overall the standard of the lecturers was excellent; I admired their approach, experience, preparation and interest in their students. The adjustment of going from secondary school to college was very easy at CIT.

Having worked in a Business Development role in a busy hotel after graduation, last year I went on to set up my own business involving Social Media management and training."

Open Day 22 & 23 November

# Hospitality Management

## CR 042 Level 7 Award

>> Progression to Honours Degree

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Business in Hospitality Management

**Duration:** 3 Years (6 Semesters)

**Places:** 32

**CAO Points in 2012: Round 1:** 240 / **Final:** 240

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Hospitality Management?

The term Hospitality Management refers to a range of occupations and professional practices associated with the management of areas such as hotels, resorts, restaurants, and other hospitality venues.

Strong practical content in the early years of study, along with our graduates broad range of knowledge, skills and competencies, have meant that they are a candidate of choice for a variety of organisations.

For graduates, there are opportunities to work either in Ireland or abroad and it is not uncommon for graduates in their twenties to hold senior positions in organisations.

### Helpful Leaving Certificate Subjects

English, Mathematics, and Business subject(s).

### Work Placement

- There is a mandatory work placement of a minimum of 12 weeks between Year 1 and Year 2.
- There is a 6 month Management Internship in Year 3.

### Potential Areas of Employment

- Hotel, Restaurant, Catering and Licenced Premises Management
- Reservations and Revenue Management
- Conference and Event Management
- Human Resources and Training
- Hospitality Entrepreneur
- Marketing and Sales



**myCIT**  
**myCourse**

*"The lecturers and staff, the facilities, my class mates, the atmosphere around the Institute, all make for a fantastic experience. The work experiences built into the course have given me all the tools I need to begin my career."*  
**Brigid Walsh**



[www.cit.ie/course/CR042](http://www.cit.ie/course/CR042)

## Module Information

<http://modules.cit.ie/cr042>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Institute boasts one of the finest Tourism and Hospitality buildings in Europe, with state-of-the-art facilities. Our courses combine practical elements of hospitality management with key management skills, knowledge and competencies, in a multi-cultural classroom environment, providing graduates with the best possible foundation for a future career. Modern Demonstration and Production Kitchens, IT and Front Office Laboratories, a Demonstration Theatre, Training Restaurants and Bar and well equipped classrooms are all features of the Tourism and Hospitality Building at CIT. In addition, students have easy access to the wider Institute facilities such as an excellent Library, IT facilities, student accommodation, sports and recreation facilities, and other student supports.

Administration and support facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team.

Formal lectures, tutorials, individual and team project work, guest speakers, industry visits and field trips are all an integral part of the course. A range of elective subjects are available so that students can pursue particular topics which interest them.

Work Placement is an important part of the Bachelor of Business in Hospitality Management and this allows the student to experience hospitality organisations at various grades in Ireland and gives them opportunities to travel abroad for their 3rd year work placement. Cork boasts one of the largest variety of hospitality organisations in the country, allowing students to study in a vibrant city with a strong culture of hospitality. Students who take the opportunity to travel abroad for work placement experience a greater international awareness, and develop the ability to effectively communicate in the global hospitality environment.

## Accreditation

Graduates are eligible to become members of the Irish Hospitality Institute.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

The Bachelor of Business Degree in Hospitality Management (Level 7) is a well-recognised qualification for employment in the Hospitality Industry. Suitably qualified graduates are eligible to continue onto the one year add-on Bachelor of Business (Honours) in Hospitality Management (Level 8). Graduates can subsequently progress to postgraduate studies at CIT or other 3rd Level Institutions.

## Career Opportunities

Graduates will specialise in areas of the hospitality business such as Food & Beverage Management, Conference & Banqueting Management or Rooms Division Management. Opportunities may also be available in Sales & Marketing, Human Resource Management, Training & Development, Event Management or Financial Control. Graduates will aspire to senior General Management positions or become involved in entrepreneurial activities and may start their own business.

## Contact Information

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## Question Time

### What are the facilities like for this course in CIT?

The facilities at the Department of Tourism & Hospitality are of the highest European standard. The Department operates to the highest levels of industry recognised Hygiene and Environmental management requirements.

### What are the duties of a Hotel Manager?

Hotel Managers combine the role of the business host with the technical skills, including the provision of high quality Food, Beverage and Accommodation standards along with the skills of successful business management including financial, marketing, human resource and operational skills.

### What other careers could I work in?

Hospitality Managers work across a wide range of businesses in the sector to include many and varied types of hotels, restaurants and resorts and equally can work in areas such as cruise line operations or indeed start their own business within the sector. There is a wide range of sector specific support businesses for which Hotel Management provides the ideal background and these can include food & beverage suppliers, equipment suppliers, training specialists, hospitality centred IT companies, and many others.

**myCIT**  
**myCareer**

**Dan Murphy**  
Managing Director



Dan is the Managing Director of the award winning Galway Bay Hotel. Dan leads a team which has attained such prestigious awards as the Best 4 Star Hotel in Ireland, Deloitte Best Managed Company, and the prestigious EFQM Award for quality. In 2007, Dan was awarded the IHI's Hotel Manager of the Year award.

Dan gained valuable experience on his college placements in Adare Manor and Ashford Castle. Having graduated, Dan worked with the Hilton Group in Chicago before joining the Rochestown Park Hotel and then the Galway Bay Hotel.

Open Day 22 & 23 November



# Culinary Arts

## CR 640 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Business in Culinary Arts

**Duration:** 3 Years (6 Semesters)

**Places:** 32

**CAO Points in 2012:** Round 1: 300 / Final: 300

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Culinary Arts?

It is the study of food and wine and its impact on our society and way of life. The Culinary Arts make a significant contribution to the worldwide hospitality and tourism industries. Practitioners in this area include restaurateurs, chefs, food critics, food journalists, and educationalists. Many become entrepreneurs in their own right setting up their own business in the food industry.

Culinary Arts combines a high level of technical skills, creativity and flair with a modern technical, scientific, academic and business approach.

### Helpful Leaving Certificate Subjects

English, Mathematics, Home Economics, and Business Subject(s).

### Work Placement

There is a mandatory work placement over the entire summer at the end of Year 1.

### Potential Areas of Employment

- Hotels and Restaurants
- Food Marketing & Product Development
- Pastry & Confectionary
- Training & Education
- Food Writing & Styling
- Culinary Manager in the Industrial Sector



**myCIT**  
**myCourse**

*"The main reason I chose to study culinary arts was the mix between business and practical culinary operations. Year 1 met all my expectations and I had a paid work placement in a fabulous hotel in Co. Cork over the summer which added to my experience."*

**Sarah Beavon**



[www.cit.ie/course/CR640](http://www.cit.ie/course/CR640)



## Module Information

<http://modules.cit.ie/cr640>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The key aim is to develop a well-educated graduate with the ability to learn and adapt to meet new challenges in both their education and professional development. We have a strong emphasis on student centred learning, using methods which include formal lectures, tutorials, visiting lecturers, site visits, and both individual and team project work.

Students study modules such as Culinary Arts Principles, Larder & International Cuisine, Food Safety, Creativity, IT, Management, Kitchen Design, Wine Appreciation, Operations and Business subjects.

The work placement is an intrinsic part of the Bachelor of Business in Culinary Arts in terms of developing the students understanding of the organisation and its procedures, as it gives experience in a real-life setting. It is supported by a Tourism & Hospitality Department staff member, who works with a workplace mentor, to ensure that each student achieves their maximum potential.

The Tourism and Hospitality building is one of the foremost in the country and includes modern Demonstration and Production Kitchens, IT Laboratories, a Demonstration Theatre, Training Restaurants, Training Bar and fully equipped classrooms. In addition students have easy access to the wider Institute facilities such as an excellent Library, IT facilities, student accommodation, sports and recreation facilities, and other student supports including a wide array of student clubs and societies.

In the past, students under the guidance of an experienced academic staff, have won such prestigious titles such as the "Knorr Chef of the Year", TV3's "Head Chef", and the "Dunhill Cuisine Award for Best Commercial Food Product". With their Tutors guidance, students also regularly compete in competitions such as AEHT, CATEX and Eurotoque and have successfully won prizes in all of these competitions.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Business Degree (Honours) in Hospitality Management.

Graduates may subsequently progress to postgraduate studies at CIT or other third level institutions.



CIT student Claire O'Connor won Silver in the European Association of Hotel & Tourism Schools Annual Competitions 2012

## Career Opportunities

Graduates work in a range of diverse organisations of the food sector, ranging from Senior Chefs in 5 Star Hotels, gourmet restaurants, stylish bistros to catering and events companies and food product companies, along with food education. Many graduates go on to establish their own business. A Culinary Arts Degree provides a wide array of opportunities to work in other countries in both culinary and food related fields.

## Contact Information

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## Question Time

### What is the difference between Culinary Arts and Culinary Studies?

Culinary Arts provides a broad range of learning which combines the skills of business management with the skills of culinary activity. This provides an ideal combination of skills for the successful operation of many food related business enterprises.

Culinary Studies is a course more specifically designed for those who aspire to be Chefs and it therefore focuses on the key skills required by Chefs at all kitchen levels, in larger or smaller operations.

### Is it possible to open your own business with this qualification?

Quite a number of graduates have opened their own businesses such as restaurants or food service companies, or have gone on to develop and produce a food product for retail sales.

**myCIT**  
**myCareer**

Eliza Ward  
Entrepreneur



"The idea of 'Country Choice on Tour' was developed when preparing my final year project during my 3rd year in Culinary Arts. We sell high quality street food at festivals and events around Ireland showcasing the very best of ingredients. Our Tipperary Hereford beef, flash fried on Ciabatta has become legendary at events such as Bloom, Electric Picnic and the Volvo Ocean Race. Our aim is to make high quality local, artisan street food a defining part of any festival experience."

Open Day 22 & 23 November

# Bar Management

## CR 650 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Business in Bar Management

**Duration:** 3 Years (6 Semesters)

**Places:** 25

**CAO Points in 2012: Round 1: 250 / Final: 240**

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Bar Management?

Bar Management is a challenging and rewarding job. There are excellent opportunities for graduates across a wide range of businesses including bars, clubs, hotels, restaurants and with trade suppliers. A Bar Management qualification also gives the graduate opportunities to travel and experience diverse cultures.

The area is constantly evolving to meet new trends and customer needs and the graduate will have the opportunity to experience these changes and hopefully to contribute towards developing new and exciting concepts in bars and entertainment.

### Helpful Leaving Certificate Subjects

English, Mathematics, and Business subject(s).

### Work Placement

There is a mandatory work placement of a minimum of 320 hours.

### Potential Areas of Employment

- Bar Management
- Bar Training & Education
- Wine Retailing and Sommelier
- Hotel, Restaurant, Catering Management
- Stock Control
- Club Management
- Entrepreneurship/Bar Business Ownership



**myCIT**  
myCourse

*"You gain the skills and knowledge necessary to work in the industry, from knowledge of beers, wines, spirits and cocktails through to health & safety procedures and the laws relating to bars. If you want to make a career in the hospitality sector, I strongly recommend this course."*

**Martin Daly**



[www.cit.ie/course/CR650](http://www.cit.ie/course/CR650)

## Module Information

<http://modules.cit.ie/cr650>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Bachelor of Business in Bar Management course develops student's knowledge of the concepts and processes that are essential for sound managerial practice in the area, along with imparting the operational skills in areas such as drinks service and stylish food preparation and service.

The work placement is a core aspect of the course and allows the student the opportunity to apply the knowledge, insight and skills gained in class to the workplace under the guidance of an experienced industry professional and supported by the Tourism & Hospitality Department.

The course is taught in a modern building, which is one of the finest Tourism and Hospitality buildings in Europe and includes a stylish Training Bar, a Demonstration Theatre, Training Restaurants, IT Labs and well equipped classrooms. In addition, students have easy access to the wider Institute facilities such as an excellent Library, IT facilities, student accommodation, sports and recreation facilities, and other student supports including a wide array of clubs and societies to suit every student's interests and tastes.

Strong practical content in early years of study, along with our graduates broad range of knowledge, skills and competencies, have meant that they are a candidate of choice for a variety of organisations and many have gone on to become entrepreneurs, owning their own successful business.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on:

→ Bachelor of Business (Honours) in Hospitality Management

Graduates may subsequently progress to postgraduate studies at CIT or other third level institutions.

## Career Opportunities

Graduates will find that there are opportunities to use their knowledge both in Ireland and abroad. This Degree offers students the opportunity to acquire appropriate managerial skills and techniques that will enable them to be effective and efficient in Bar Management and related areas such as retail and the food and entertainment industries.



## Contact Information

Tom Kelly  
Department of Tourism & Hospitality  
T: +353 (0)21 433 5824  
E: [tom.kelly@cit.ie](mailto:tom.kelly@cit.ie)

## Question Time

### What are the facilities like for this course in CIT?

The facilities for this course are contained in the Department of Tourism & Hospitality Building which is of the highest European standards. The Department contains a stylish Training Bar, Training Restaurants, IT Labs and modern classrooms. The greater campus area boasts excellent sports, accommodation, recreation and student support facilities.

### What level of Business is incorporated into the course?

The course blends the skills of Business Management approximately 50/50 with the skills and knowledge needed for Bar Management. Business skills attained during the course complement career options and improve the future prospects of graduates.

### Should I have experience in bar work in advance of applying for this course?

Some experience in the licenced trade is an ideal preparation for undertaking a career in Bar Management; however, this is not a requirement for entry to this course.

**myCIT**  
**myCareer**

**Roisín O'Sullivan**  
General Manager



"I can't believe how I fitted into college life so well almost immediately and loved my time there. During my time on this course, I participated in the 'Masters Apprentice', an RTE TV Show, which was a wonderful medium to showcase the skills which I had learned.

Following graduation, my career progressed quickly and I was only 21 when I achieved my first management role. I found that I had all of the practical training and business skills necessary to succeed in this following my time in CIT. I am now the General Manager of what is one of the most progressive venues in Cork City. I am also a Brand Ambassador for a large drinks supplier and through this role I am involved in training bar staff on a range of products."

Open Day 22 & 23 November



# Culinary Studies

## CR 655 Level 6 Award

>> Progression to Degrees and Honours Degree



This programme is supported by Fáilte Ireland

**Application:** CAO

**Award Title:** Higher Certificate in Arts in Culinary Studies

**Duration:** 2 Years (4 Semesters)

**Places:** 48

**CAO Points in 2012: Round 1:** 200 / **Final:** 200

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O) or B2 (F)	D3 (O/H)

**Note 1:** The requirement for D3 (O) Mathematics may also be satisfied by Grade B2 or Higher in Foundation Level Mathematics.

**Note 2:** Holders of all FETAC Level 5 awards may apply through the CAO.

### Special Category Applications

Mature Students (23 years by the 1st January on year of entry to the course) and holders of the Leaving Certificate Applied with one year's relevant industrial experience may apply as Special Category Applicants through the CAO. They may be required to undertake an Institute interview.

### What is Culinary Studies?

Culinary Studies is a course designed to meet the needs of students who wish to pursue careers as Professional Chefs. Graduates go on to take up positions in hotels, restaurants, catering and events, along with many who set up their own businesses such as bistros, café-delicatessens, stylish cafes and restaurants.

### Helpful Leaving Certificate Subjects

English, Mathematics, Business subject(s), and Home Economics.

### Work Placement

There is a formal structured work placement over the summer at the end of Year 1.



myCIT  
myCourse

*"The kitchens in the Department are amazing and we have everything we need. Cooking in the Training Restaurant for real customers is a great learning experience and gave me a glimpse of what real restaurant service is like. I can't wait to put these newly acquired skills into practice on my work placement."*

**Katie McLoughlin**



[www.cit.ie/course/CR655](http://www.cit.ie/course/CR655)



## Module Information

<http://modules.cit.ie/cr655>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Hotels ranging from 5 Star Resorts through to smaller family-run hotels
- Fine-dining Restaurants, local Speciality Restaurants, Bistros
- Catering Companies
- Event Catering
- Gastro Pubs and café-delicatessens

## About the Course

The Higher Certificate in Arts in Culinary Studies is mainly practical in nature and is supported by theory subjects relating to the world of cookery. Approximately 70% of the class time is spent in practical classes and kitchens covering subjects such as cookery techniques, classical and traditional cookery, along with specialist cookery from the Mediterranean, the Orient and other interesting world foods. Pastry, Larder, Confectionery and Buffet Work are also explored.

Along with practical classes, formal lectures, guest lectures, site visits and group projects are also used to ensure students receive a fully rounded study environment. The formal, paid work placement allows the student to put into practice the skills which they have learned while in college and students are awarded academic marks for this important component of their course.

The Tourism and Hospitality buildings are of a leading standard and include modern Demonstration and Production Kitchens, IT Laboratories, a Demonstration Theatre, Training Restaurants, a Training Bar and well equipped classrooms. In addition students have easy access to the wider Institute facilities such as an excellent Library, IT facilities, student accommodation, sports and recreation facilities.

Administration and support facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team. Students have participated and succeeded in the "Knorr Chef of the Year", TV3's "Head Chef" and the "Dunhill Cuisine Award for Best Commercial Food Product", along with the annual AEHT, Eurotoque, and CATEX competitions.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to:

- Bachelor of Business in Culinary Arts
- or
- Bachelor of Arts in Culinary Arts (part-time option) and thereafter to
- Bachelor of Business (Honours) in Hospitality Management

Graduates may subsequently progress to postgraduate studies at CIT or other third level institutions.

## Career Opportunities

Students will graduate as professional Chefs, equipped to embark on exciting careers which will allow them to develop their skills further and to travel extensively if desired. Our graduates hold exciting positions as Head Chefs and Executive Chefs in a wide variety of hotels, restaurants and other food operations. Artisan food production, food product development, health care, food journalism and large scale catering facilities all offer opportunities to graduates for employment. Other graduates have gone on to set up their own successful businesses.

## Contact Information

John Hartnett  
Department of Tourism & Hospitality  
T: +353 (0)21 433 5851  
E: [john.hartnett@cit.ie](mailto:john.hartnett@cit.ie)

## Question Time

### What is the difference between Culinary Arts and Culinary Studies?

Culinary Studies is the course designed for students who aspire to become a professional chef and it focuses on the key skills required by chefs in all kitchen types, whether a large upmarket hotel kitchen or a smaller specialist restaurant operation.

Culinary Arts provides a broad range of learning which combines the skills of business management with the skills of culinary activity. This provides an ideal combination of skills for the successful operation of many food related business enterprises.

**myCIT**  
**myCareer**

**Robert Hales**  
Restaurant Proprietor



Having graduated from CIT, Robert worked in large hotels in Cork and London, but always had a burning ambition to own his own business. He opened his first restaurant, Amicus, in Cork and quickly went on to establish three further restaurant businesses in the Cork area, Restaurant 14A, La Lavanda, and the Douglas Tea Room.

Robert's advice to aspiring chefs is to "work hard while studying at CIT, always think positively, plan your career path and set achievable goals for yourself".

Open Day 22 & 23 November

# Hospitality Studies

## CR 657 Level 6 Award

>> Progression to Degrees and Honours Degree



This programme is supported by Fáilte Ireland

**Application:** CAO

**Award Title:** Higher Certificate in Arts in Hospitality Studies

**Duration:** 2 Years (4 Semesters)

**Places:** 25

**CAO Points in 2012: Round 1:** AQA / **Final:** AQA

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O) or B2 (F)	D3 (O/H)

**Note 1:** The requirement for D3 (O) Mathematics may also be satisfied by Grade B2 or Higher in Foundation Level Mathematics.

**Note 2:** Holders of all FETAC Level 5 awards may apply through the CAO.

### Special Category Applications

Mature Students (23 years by the 1st January on year of entry to the course) and holders of the Leaving Certificate Applied with one year's relevant industrial experience may apply as Special Category Applicants through the CAO. They may be required to undertake an Institute interview.

### What is Hospitality Studies?

Hospitality Studies is a broad programme of learning which provides an introduction to all of the operations areas in the hospitality sector. Students get an opportunity to study and practice the areas of restaurant service, bar service operations, front office, rooms division, accommodation, event organisation, introduction to culinary skills, along with a range of business subjects.

The combination of practical skills and theoretical subjects gives the student the opportunity to identify their area of preference in the sector and to subsequently develop a valuable career in their chosen field.

### Helpful Leaving Certificate Subjects

English, Mathematics, Business Subject(s),  
a European Language

### Work Placement

There is a formal structured work placement over the summer at the end of year 1.



myCIT  
myCourse

*"During the year, our learning included some fantastic trips to hotels and tourist attractions, where we learned a lot about operations. The highlight of the course for me is the great practical experience which we get while working in industry, which really reinforces what I have learned in college."*

Natasha McCarthy



[www.cit.ie/course/CR657](http://www.cit.ie/course/CR657)

## Module Information

<http://modules.cit.ie/cr657>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Hotels, Restaurants, Licenced Premises
- Accommodation Providers
- Catering and Events Companies
- Specialist functions such as Reservations, Training and Human Resources

## About the Course

Higher Certificate in Arts in Hospitality Studies is designed to meet the skills requirements of students who wish to pursue careers within the hospitality sector. Graduates typically work in contact with the customer in hotels, restaurants or bar operations or associated areas such as conferences and events. The strong element of practical learning involved in this course is appealing to many candidates.

Practical classes, formal lectures, guest lectures, site visits and group projects are all used to ensure students receive a fully rounded study environment. A formal work placement allows the student to put into practice the skills which they have learned while in college, under the guidance of an experienced hospitality professional, and students are awarded academic marks for this important component of their course.

The Tourism and Hospitality buildings are of the best modern standard and include modern Demonstration and Production Kitchens, IT Laboratories, a Demonstration Theatre, Training Restaurants, a Training Bar, Training Reception and fully equipped classrooms. In addition students have easy access to the wider Institute facilities such as an excellent Library, IT facilities, student accommodation, sports and recreation facilities and other student supports, such as a large range of student clubs and societies.

Administration and support facilities are offered in an environment where students have direct access to an experienced and qualified lecturing team.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to:

- Bachelor of Business in Bar Management or
  - Bachelor of Business in Hospitality Management
- And thereafter to
- Bachelor of Business (Honours) in Hospitality Management
- Graduates may subsequently progress to postgraduate studies at CIT or other third level institutions.

## Career Opportunities

For the student who is prepared to work hard and who brings flair and passion to hospitality, the opportunities are endless. Hotels, restaurants, bars, events and work place catering are all areas which are an ideal career choice for graduates. Many of our graduates travel overseas to gain experience and to enhance their skills or go on to embark on further studies in the area of hospitality.

## Contact Information

Breda Hickey  
Department of Tourism & Hospitality  
T: +353 (0)21 433 5831  
E: [breda.hickey@cit.ie](mailto:breda.hickey@cit.ie)

## Question Time

### What is the difference between Hospitality Studies and Hospitality Management?

Hospitality Studies focuses on the day-to-day operations within the hospitality sector, where positions require a hands-on customer centred focus.

Hospitality Management focuses on the successful operation and profitable management of the overall business and its resources.

### What are the facilities like for this course in CIT?

The facilities in the Department of Tourism and Hospitality are of the highest European standard. The Building is run with the leading standards relating to both hygiene and the environment in mind at all times.

The Department is located within its own building on the campus and provides excellent facilities to enhance student learning including a range of Kitchens, Classrooms, Labs and other training facilities.

### The work placement sounds exciting. Is it based in Ireland or can you be placed abroad?

The work placement takes place in a quality hospitality establishment in Ireland and it is supported by a Department of Tourism & Hospitality staff member together with a workplace mentor. However, on qualification, graduates possess a skillset which they can use to gain employment in many different roles abroad.

**myCIT**  
**myCareer**

### Louise Lyne

Restaurant Supervisor -  
The Park Hotel, Kenmare



Having graduated from CIT with her Higher Certificate in Hospitality Studies, Louise decided to progress and pursue a degree in Hospitality Management in the Department of Tourism & Hospitality. During her time in college, Louise represented CIT at the final of the National Skills Restaurant Service Competition.

Louise is currently the Restaurant Supervisor in The 5 Star Park Hotel in Kenmare, where she works daily with the Brennan brothers of televisions 'At Your Service'.

Open Day 22 & 23 November



# Social Care

## CR 031 Level 7 Award

>> Progression to Honours Degree  
and Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts in Social Care

**Duration:** 3 Years (6 Semesters)

**Places:** 80

**Garda Vetting:** Yes

**CAO Points in 2012:** Round 1: 375 / Final: 370

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

**Note 1:** CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on this programme. It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/discovery.

### What is Social Care?

Social Care is a profession where people work in partnership with those who experience marginalisation or discrimination, or who have special needs.

Social care practitioners may work, for example, with children and adolescents in residential care; people with learning or physical disabilities; people who are homeless; people with alcohol/drug dependency; families in a community setting; or recent migrants to Ireland.

### Helpful Leaving Certificate Subject

English.

### Work Placement

There is mandatory work placement as follows:

- Year 1: 6 week placement
- Year 2: 10 week placement
- Year 3: 60 days (spread over the two semesters)



**myCIT**  
**myCourse**

*"Each module within Social Care is relevant in the course and a combination of the modules, lecturers and the close friends I made gave me an opportunity to see the holistic picture of the broader society and how to best apply theory to practice when I was on placement."*

**Pamela Kent**



[www.cit.ie/course/CR031](http://www.cit.ie/course/CR031)

## Module Information

<http://modules.cit.ie/cr031>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Residential Care Centres
- Community Projects
- Family Casework
- Adoption/Fostering Agencies
- Probation and Welfare Agencies
- Hostels for Adolescents
- Travellers Centres
- Special Schools
- Centres for the Elderly
- Centres for Asylum Seekers
- Youth Centres

## About the Course

The course aims to strike a balance between theory and practice. Material from disciplines is organised and presented in ways which enable students to see its relevance to the objectives of the course, to the placement settings and their own supervised practice. The student will be given the opportunity of acquiring some practical skills needed in this type of work, such as household management, sport and leisure.

There is work placement in each year of the course. Such placements enable the student to apply theory taught on the course to a professional placement and to appreciate the number of, and variety of, relevant work situations.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to

- Bachelor of Arts (Honours) in Social Care, 1 year full-time or by ACCS mode

Postgraduate programmes are available at CIT.

## Career Opportunities

The BA in Social Care is the nationally recognised qualification for working as a Social Care Worker in either the residential area or in the community. The applied and practical aspect of the work is very important.

Graduates are employed in a wide variety of care settings and employments such as Residential Care Centres, Community Projects, Youth Centres, Family Casework, Elder Care Centres, Adoption/Fostering Agencies, Probation and Welfare Agencies, Hostels for adolescents/young adults, Travellers Centres, etc.

## Contact Information

Roisín Lane  
Department of Social and General Studies  
T: 021 433 5324  
E: [roisin.lane@cit.ie](mailto:roisin.lane@cit.ie)

## Question Time

### What is the difference between a Social Care Worker and a Social Worker?

A Social Care Worker will typically work in a direct person-to-person capacity with clients. He or she will seek to provide a caring, stable environment in which various social, educational and relationship interventions can take place in the day-to-day living space of the client.

The Social Worker's role is to manage the 'case', e.g. arranging the residential child care placement in which a child is placed; coordinating case review meetings; negotiating the termination of a placement; and responding to child protection concerns in a given area. (Social Care Ireland 2011)

### Am I fully qualified to work as a Social Care Worker after successfully completing the three years study in CR 031?

Yes. The BA in Social Care is the nationally recognised qualification for working as a Social Care Worker.

### Can I convert to a Social Worker after completing the Social Care qualification, i.e. BA in Social Care CR 031?

It is not possible to 'convert' to be a Social Worker with the BA (Honours) in Social Care. To become a Social Worker, you will need to complete a Masters in Social Work.

Suitably qualified graduates of the BA (Honours) in Social Care may also be eligible to apply for a range of other Postgraduate courses, such as Occupational Therapy, Community Development, etc.

**myCIT**  
**myCareer**

**Christina Sieber**  
Child Care Leader



Christina was awarded a BA (Honours) in Social Care. "I chose CIT specifically for the combination of lectures and practical work. Each year we had a placement, which allowed us to experience different areas in the social care field. My placements entailed work with an after care worker with the Health Board, as a classroom assistant in a special school, and in the Barrettstown Gang camp."

Christina is now working in residential care and is also undertaking part-time lecturing in Social Care.

Open Day 22 & 23 November

# Early Years Education

## CR 620 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Arts in Early Years Education

**Duration:** 3 Years (6 Semesters)

**Places:** 60

**Garda Vetting:** Yes

**CAO Points in 2012:** Round 1: 370 / Final: 350

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	(Note 1)	D3 (O/H)

**Note 1:** There is no requirement for Mathematics. A Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow Pages in this Handbook).

**Note 2:** CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on this programme. It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/discovery.

### What is Early Years Education?

There is an ever increasing demand for quality Preschool services in Ireland today and the BA in Early Years Education provides specialised training, support, advice and information on best practice for the education and care of young children from 0 to 6 years with a view to supporting the development of an Early Years workforce.

### Helpful Leaving Certificate Subjects

English, and Business.

### Work Placement

There is mandatory work placement as follows:

- Year 1: 6 week placement
- Year 2: 8 week placement
- Year 3: 8 week placement



**myCIT**  
**myCourse**

*"Emphasising the importance of placement ensures that students are not only qualified but are also experienced upon graduating. Creative Arts is a unique element on this course ensuring that learning is child-centred and practical. Small class sizes means that students and lecturers build a good rapport."* **Sarah Kelleher**



[www.cit.ie/course/CR620](http://www.cit.ie/course/CR620)



## Module Information

<http://modules.cit.ie/cr620>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Early Years Education
- Early Years Childcare
- Children with Specific Learning Needs
- Children's Residential Care Centres
- Family and Community Support Centres

## About the Course

The course aims to train graduates to educate and meet the needs of children aged 0-6 years and to manage childcare facilities. The various biological, cognitive, emotional, and social stages of a child's development are studied.

The course offers the student the opportunity to study early childhood from differing perspectives – educational, psychological, social, and cultural. The course also includes tuition in Art, Music and Drama, which will provide an extensive portfolio of child-centred activities. Attention is also paid to practical skills needed in this type of work such as child health, exercise and nutrition, and the physical care of children.

Central to the Degree at every stage is the Professional Work Practice (PWP) i.e. placement. This involves supervised hands-on experience in centres approved by the Institute, for example, centres such as Preschools, Naíonraí, and Centres for Children with Special Educational Needs. There is an option of international placements in Year 2 and Year 3.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Arts (Honours) in Early Years Education

## Career Opportunities

Employment opportunities include Early Years Education; Early Years Childcare; Children with Specific Learning Needs; Children's Residential Care Centres; Family and Community Support Centres; and After School Services.

## Contact Information

Dr Judith Butler  
Department of Social and General Studies  
T: 021 433 5348  
E: [judith.butler@cit.ie](mailto:judith.butler@cit.ie)

## Question Time

**Am I fully qualified to work in Early Years Education after three years study in CR 620?**

Yes.

**Is there a pathway to primary school teaching from this course?**

BA (Honours) graduates are eligible to apply for the Graduate Diploma in Education (which typically runs for 18 months) as long as they present with the minimum Leaving Certificate requirement in Irish or suitable equivalent.

The Department of Education & Skills recognises the Graduate Diploma in Education to teach in Primary Schools.



**myCIT**  
**myCareer**

**Deirdre Fitzgibbons**  
Special Needs Assistant



"I chose the Early Childhood Care and Education Degree (now called Early Years Education) in CIT for the reason that it incorporated both theoretical and creative modules into the course content.

The theory modules Psychology, Social Policy, Law, and Early Years Education, were very attractive and I was eager to learn about them and how they assisted a child's development. The creative modules, Art, Music and Drama were both fantastic and invaluable modules to have in the course. All these areas play a crucial role in every child's development.

I am currently working as a Special Needs Assistant in a primary school in Cork. I am also working as a Care Assistant in a Respite Home for children with special needs."

**Open Day 22 & 23 November**

# Recreation and Leisure Management

## CR 032 Level 7 Award

>> Progression to Honours Degree

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Business in Recreation and Leisure Management

**Duration:** 3 Years (6 Semesters)

**Places:** 80

**Garda Vetting:** Yes

**CAO Points in 2012:** Round 1: 330 / Final: 330

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

**Note 1:** CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on this programme. It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/discovery.

### What is Recreation and Leisure Management?

The Recreation and Leisure Management course combines Health, Fitness, Sports and Exercise related modules with core Business modules. The course prepares students to work in the business, sports and leisure sector of the economy and provides them with the specialist skills and competencies needed in these industries.

### Helpful Leaving Certificate Subjects

Business, English, Biology, and Accounting.

### Sport Aptitude

Active participation in sport is an advantage. However, applicants do not need to have exceptional ability or achievements in sport.

### Work Placement

There is a mandatory work placement of 5 weeks in Year 2.



**myCIT**  
**myCourse**

*"The integration of theory and practical modules really appealed to me. It was great to qualify with not only my Degree but with many extra qualifications such as Massage, numerous Coaching Certificates and First Aid."*  
**Lorcán McLoughlin**



[www.cit.ie/course/CR032](http://www.cit.ie/course/CR032)

## Module Information

<http://modules.cit.ie/cr032>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Fitness Instructor
- Personal Trainer/Strength and Conditioning Coach
- Leisure/Sports Centre Management
- Sports Coaching/Team Management

## About the Course

The course consists of lectures, tutorials, practicals, site visits and work placement. The leisure industry is one of the fastest growing sectors of the economy. This has created a demand for personnel with specialist knowledge and skills in recreation and leisure. The course combines technical skills and competencies with a strong business base. It also offers students the opportunity of acquiring appropriate practical and managerial expertise, which will enable them to be effective managers in the recreation and leisure industry.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Business (Honours) in Sport and Exercise or

Year 4 of

→ Bachelor of Business (Honours)

These awards will greatly enhance a graduate's career prospects at management level. In addition, graduates of the Bachelor of Business (Honours) are eligible to progress to the Professional Diploma in Education (PDE).

## Career Opportunities

The broad multi-skills approach adopted in the course offers access to a wide range of employment opportunities in the leisure industry: leisure centre management, personal training, sports coaching, swim teaching, lifeguarding, group exercise leadership, sports development, health promotion, and community recreation.

## Contact Information

Noel Collins

Department of Social and General Studies

T: 021 433 5330

E: [noel.collins@cit.ie](mailto:noel.collins@cit.ie)

## Question Time

### What areas of teaching am I qualified to teach in?

After the Ordinary Degree in Recreation and Leisure (CR 032), teaching is not an option. However, a Graduate Diploma in Education (Primary Teaching) can be pursued following the aforementioned Honours Degrees provided they present with the minimum Leaving Certificate requirement in Irish, English and Mathematics or suitable equivalent.

It is important to note there is no direct link between this Recreation and Leisure Management course and P.E. Teaching. Students who have completed the Honours Degree in Business can pursue a Professional Diploma in Education (Business) which enables them to teach Business at Second-Level Schools.

### What type of Business content is involved in the course?

Business Administration, Accounting, Marketing, Economics, Management and Enterprise Development are the Business modules covered over the three years.

### How is your time spent on the course?

A mix of practical and theory classes make up the Recreation and Leisure modules and the Business related modules are mostly theory based. An estimated percentage of this Leisure to Business breakdown over the years is as follows: Year 1: 80/20, Year 2: 65/35, Year 3: 30/70 respectively.

### What sport qualifications will I have at the end of the course?

Students have the opportunity to gain EHFA (European Health and Fitness Association) Qualification which includes gym instructor; group exercise instructor; personal trainer; and aerobics teacher. Coaching qualifications in the following sports may be achieved – GAA, Soccer, Basketball, Hockey, Volleyball and Rugby. External professional qualifications such as Swim Teaching; Lifeguarding; Massage Therapist (ITEC – International Therapy Examination Council); and Sports Massage (ITEC) may also be attained.

**myCIT**  
**myCareer**

**Mai O'Leary**  
Rísam PhD Scholar



Mai was awarded a Rísam PhD Scholarship and is currently completing her PhD in CIT's Department of Social and General Studies.

"This course gave me the opportunity to try many interesting jobs as a direct result of the electives in Gym Instruction, Exercise to Music, Lifesaving, Sports Coaching and Massage Therapy.

As well as providing a solid knowledge base, my Degree has allowed me to study for my Masters at the University of Bristol, where I specialised in Nutrition and Physical Activity Behaviour.

The quality of lectures, both practical and theoretical, and the support from staff at CIT enhanced my choices and job potential within the Sport and Leisure Industry. Studying at CIT... I wouldn't have it any other way."

Open Day 22 & 23 November



# Community Development

## Level 7 Award

>> Progression to Honours Degree

▲ Higher Certificate Option

**Application:** Direct application to CIT.

**Award Title:** Bachelor of Arts in Community Development

**Duration:** 3 Years (6 Semesters)

**Places:** 25

**Garda Vetting:** Yes

### Admission Requirements

Relevant community experience is a significant entry requirement. Places will be awarded on the basis of interview. Application for this course is not through the Central Application Office (CAO). Please contact the Department directly regarding intake, application, and interview dates.

**Note 1:** CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on this programme. It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/discovery.

### What is Community Development?

Community Development is a process that seeks to build strong, sustainable communities by bringing people and groups together for the good of the wider community and society. Based on principles of equality, fairness and respect it sets out to influence power structures and remove barriers that prevent people from taking part in decisions that affect their lives.

### Work Placement

At present, the placement is composed of supervised community work, for 180 hours over a 20 week period. It may be possible for applicants, who are already active in community work, to continue this work in order to meet the placement requirements.

Participants must have satisfactorily completed the Institute's mandatory Garda Vetting before commencing placement.

### Potential Areas of Employment

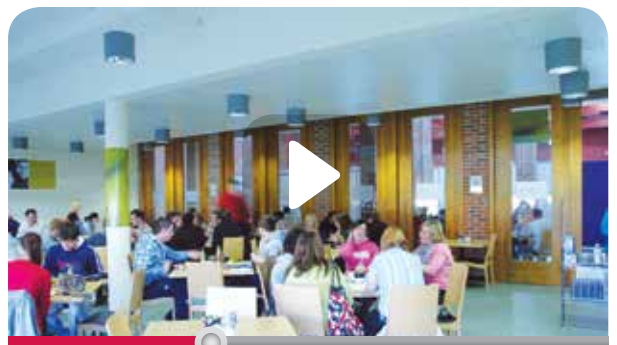
- Statutory Organisations
- Non-Governmental Organisations (NGOs)



myCIT  
myCourse

*"After completing my Honours Degree at CIT, I undertook a Masters in Public Health (MPH). The combination of learning on the Honours Programme, complemented by my related studies on the Masters Programme, has strengthened my skills base for effective community work."*

Karen Hogan



[http://www.cit.ie/course/CR\\_HCOED\\_7](http://www.cit.ie/course/CR_HCOED_7)

## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The broad aim of the programme is to provide an opportunity for people who are active in the community to achieve formal qualifications in the community work field. This course has been developed in partnership with community groups and consists of lectures, workshops, seminars, combined with a substantial practical element, based in the community. Participants will remain within the community setting, thereby sustaining their contribution to the community while developing the capacity to add value to that contribution through supervised and supported learning in the workplace.

The course will be assessed by continuous assessment: essay, reports, role play and presentations. Practical work placement within the community will also contribute to assessment. No formal, terminal, written examination will be undertaken.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates may be considered to proceed to Year 4 of

→ Bachelor of Arts (Honours) in Community Development

Where applicants for the Honours Degree do not have a qualification at Diploma or Bachelor Degree level in Community Development at the specified minimum level, they may be admitted on the basis of a learning portfolio that verifiably demonstrates learning performance equal to that specified by the learning outcomes of the BA Degree programme at CIT.

## Career Opportunities

Graduates of the Degree programmes can expect to take supervisory/management/ leadership roles in community projects and within statutory agencies. It is envisaged that Higher Certificate holders will be qualified to seek employment in any of the following areas:

- Development worker within a Community Education Project
- Development worker within a Community Resource Centre
- Worker within a Community Development Project (CDP)
- Resource worker in Community based health programmes

## Contact Information

Dr Margaret O'Keeffe

T: 021 433 5932

E: [margaret.okeeffe@cit.ie](mailto:margaret.okeeffe@cit.ie)

Paddy Anderson

T: 021 433 5931

E: [paddy.anderson@cit.ie](mailto:paddy.anderson@cit.ie)

## Question Time

### Where are lectures held?

Lectures are held on the CIT Bishopstown campus and in a number of community-based locations in Cork city.

### When do lectures take place?

Lectures take place over a two and a half day period, part of which requires attendance at one evening lecture.

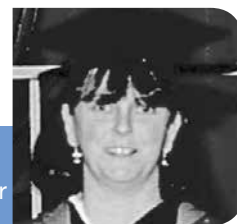
### Can I obtain a Higher Certificate after two years?

Yes, students who successfully complete Year 2 and do not wish to progress to Year 3 will receive a Higher Certificate in Arts in Community Development.

**myCIT**  
**myCareer**

**Noreen O'Regan**

Community Development Supervisor



"I graduated with a BA (Honours) in Community Development. I have always been active in my local community. The Honours Degree helped me to make the transition from a voluntary role to a paid professional role. I was an Administrator in the local Community Development Project and the Honours Degree gave me the confidence and skills base to apply for the Coordinator Post when it became available.

I remain closely connected to the Community Development Programme as I now supervise Community Development Placement students. I would strongly recommend the Community Development Programme at CIT."

Open Day 22 & 23 November

# Business for Mature Students

## Level 6 Award

>> Progression to Degrees and Honours Degrees

**Application:** Direct application to CIT.

**Award Title:** Higher Certificate in Business

**Duration:** 2 Years (4 Semesters)

### Admission Requirements

Leaving Certificate is desirable but not essential. Relevant work experience, skills gained through experiential learning and other qualifications will be considered when assessing applications.

Application for this course is not through the CAO. A special Application Form is required and is available from the Department of Management & Marketing. Closing date for receipt of application is 31st May 2014.

### What is Business?

Business brings together Management, Marketing, Accounting, Communications, and applications of Information Technology. The course aims to provide a broad business education with many opportunities to specialise. The course is designed to be employment oriented. It is structured to give an interesting variety of topics, with the option to progress to a Level 7 Degree.

### Duration & Timetables

This is a full-time course over two academic years. Lectures are time-tabled from Monday to Friday between 9.00am – 2.00pm in so far as possible to accommodate the needs of Mature Students.

### Potential Areas of Employment

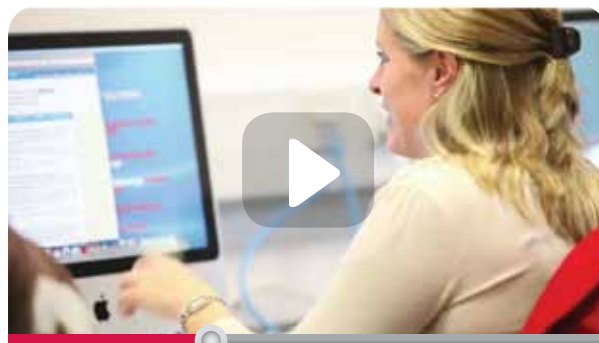
- Accounting
- Marketing
- Banking
- Insurance



**myCIT**  
**myCourse**

*"The course helped me adjust back to education while managing home and family commitments. I realised that life experience can enhance learning, and CIT also gained from the active participation of mature students."*

**Betty Murphy**



[http://www.cit.ie/course/CR\\_BBUSE\\_6](http://www.cit.ie/course/CR_BBUSE_6)



## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course aims to provide mature students (23 years of age by 1st January of the year of entry), with an accessible route to a third level qualification in Business. This qualification will equip mature students with the skills, knowledge and competencies to take advantage of employment opportunities in areas such as accounting, marketing, computing, banking, insurance, etc., or to pursue a Level 7 Degree qualification.

## Special features of the Course

- Family friendly timetabling, usually 9am – 2pm Monday to Friday.
- Progression route to further studies.
- A team of dedicated lecturers who ensure that participating in this course is an enlightening and enjoyable experience.
- A high level of support ensuring assistance is available when you need it.
- Maintenance grants are available to eligible students.
- Tutorial support as appropriate.
- This course is recognised under the Back to Education Allowance Scheme which in certain circumstances permits those participants in receipt of social welfare payments to retain these payments while completing the course.
- The inclusion of Information Technology (IT), and Computing ensuring that students of this course have the necessary skills on completion.

## Further Studies

One further year of study could lead to a Degree in:

- Bachelor of Business in Marketing (Full-time)
- Bachelor of Business in Management (Part-time)
- Bachelor of Business in Business and Management (Full-time)
- Bachelor of Business in Accounting (Full-time or Part-time)

## Mature Student Support Network

The network provides support with organised workshops, e.g. Study Skills, Stress Management, and provides students with peer support and assist students in managing college life.

E: [maturestudents@cit.ie](mailto:maturestudents@cit.ie)

W: [www.cit.ie/maturestudents](http://www.cit.ie/maturestudents)

## Contact Information

Louise Byrne

Department of Management & Marketing

T: 021 433 5806

E: [louise.byrne@cit.ie](mailto:louise.byrne@cit.ie)

## Question Time

### Is the course expensive?

Tuition fees are payable except by certain categories of students. The Higher Education Student Contribution fees may apply. Participants may apply online for a Student Grant at [www.studentfinance.ie](http://www.studentfinance.ie). This website has useful detailed information about financial supports.

This course is also recognised under the Back to Education Allowance Scheme of the Department of Social and Family Affairs.

### I'm anxious that I won't fit in, what supports does CIT have for mature students?

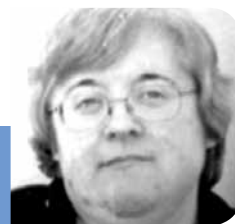
CIT has a full-time Mature Student Officer who provides support to prospective and registered mature students. Each year, an Information Evening is held in CIT for prospective Mature Students. Please see the Yellow Pages in this Handbook for more details or [www.cit.ie/maturestudents](http://www.cit.ie/maturestudents).

### I haven't studied Mathematics in years, is there an opportunity to get grinds?

CIT's Learning Support Centre offers Mathematics Support Sessions throughout the year.

**myCIT**  
**myCareer**

**Regina Clerkin**



"I had worked since I left school for 18 years, and I decided to return to full time education. I enrolled in the Higher Certificate in Business for Mature Students in CIT. I enjoyed every moment of my two years there. Class mates supported each other and friendships developed. The lecturers were very supportive and encouraged me in all my modules. They were very approachable. This gave me the confidence to continue to the Bachelor of Business Honours Degree. I then progressed to a Master's Degree."

Regina graduated from CIT with a Master of Business, specialising in Marketing.

**Open Day 22 & 23 November**

## Business & Humanities MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Certificate Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points 2012	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT			
														Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 021	Business Studies	17	Bachelor Degrees	3	✓ (Ref. 1)	200	270	250	5	0	D3 (O/H)	D3 (O/H)			✓ (Ref. 2/3/4)	✓ (Ref. 5/6/7)	✓ (Ref. 9)
CR 400	Accounting	19	Honours Bachelor Degree	4		40*	325	325	6	2	D3 (H) or C3 (O)	D3 (O/H)				✓ (Ref. 9)	✓ (Ref. 9)
CR 023	Accounting	21	Bachelor Degree	3	✓ (Ref. 1)	40*	310	300	5	2	D3 (H) or C3 (O)	D3 (O/H)			✓	✓ (Ref. 5/6)	✓ (Ref. 9)
CR 420	Marketing	15	Honours Bachelor Degree	4		40	295	295	6	2	D3 (O/H)	D3 (O/H)				✓	✓ (Ref. 9)
CR 150	Business Information Systems	23	Honours Bachelor Degree	4		60	325	315	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 022	Business Administration	25	Bachelor Degrees	3	✓ (Ref. 1)	50	230	210	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 010	Agriculture	27	Bachelor Degree	3	✓ (Ref. 1)	40	340	330	5	0	D3 (O/H)	D3 (O/H)			✓ (Ref. 2/4/10)	✓ (Ref. 5/8)	✓ (Ref. 9)
CR 011	Horticulture	29	Bachelor Degree	3		20	185	AQA	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓ (Ref. 16)
CR 660	Tourism	31	Honours Bachelor Degree	4		30	260	260	6	2	D3 (O/H)	D3 (O/H)				✓	✓ (Ref. 17)
CR 041	Tourism	33	Bachelor Degree	3	✓ (Ref. 1)	30	240	225	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 042	Hospitality Management	35	Bachelor Degree	3	✓ (Ref. 1)	32	240	240	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 640	Culinary Arts	37	Bachelor Degree	3		32	300	300	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 650	Bar Management	39	Bachelor Degree	3		25	250	240	5	0	D3 (O/H)	D3 (O/H)			✓	✓ (Ref. 11)	✓
CR 655	Culinary Studies	41	Higher Certificate	2		48	200	200	5	0	D3 (O) or B2 (F)	D3 (O/H)			✓	✓	✓
CR 657	Hospitality Studies	43	Higher Certificate	2		25	AQA	AQA	5	0	D3 (O) or B2 (F)	D3 (O/H)			✓	✓	✓
CR 031	Social Care	45	Bachelor Degree	3		80	375	370	5	0	D3 (O/H)	D3 (O/H)	✓ (Ref. 12)		✓	✓	✓
CR 032	Recreation & Leisure Management	49	Bachelor Degree	3	✓ (Ref. 1)	80	330	330	5	0	D3 (O/H)	D3 (O/H)	✓ (Ref. 12)		✓	✓	✓
CR 620	Early Years Education	47	Bachelor Degree	3		60	370	350	5	0	(Ref. 13)	D3 (O/H)	✓ (Ref. 12)		✓	✓	✓

Ref. 1 Students who successfully complete Year 2 of the Bachelor Degree Programme and do not wish to progress to Year 3, will receive a Higher Certificate Qualification.

Ref. 12 Applicants will be required to undergo Garda vetting.

Ref. 13 No requirement for Mathematics. A Grade B2 or higher in Foundation Level Mathematics is recognised as a subject for CR 620 and is awarded points as follows: Grade/Points A1/20; A2/15; B1/10; B2/5.

Ref. 14 Bachelor of Business in Culinary Arts OR Bachelor of Arts in Culinary Arts

Ref. 15 Bachelor of Business in Hospitality Management OR Bachelor of Business in Bar Management

Ref. 16 Bachelor of Science (Honours) in Agriculture

Ref. 17 Bachelor of Science (Honours) in Horticulture

Ref. 18 Bachelor of Business (Honours) in Sport and Leisure

\* There will be 40 first year places available between CR 400 Accounting (Level 8) and CR 023 Accounting (Level 7).

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook.

Number of First Year Places may change.

Leaving Certificate (LC)

Any Qualified Applicants (AQA)



# Engineering at a glance

## CAO Courses

### Level 8

CR 105 BEng (Honours) in Chemical and Biopharmaceutical Engineering  
CR 108 BEng (Honours) in Mechanical Engineering  
CR 109 BEng (Honours) in Structural Engineering  
CR 500 Engineering (Honours) (Common Entry)  
CR 510 BEng (Honours) in Sustainable Energy  
CR 520 BEng (Honours) in Biomedical Engineering  
CR 522 BEng (Honours) in Building Energy Systems  
CR 560 BSc (Honours) in Architectural Technology  
CR 565 BSc (Honours) in Interior Architecture  
CR 570 BSc (Honours) in Quantity Surveying  
CR 572 BSc (Honours) in Construction Management  
CR 580 BEng (Honours) in Electrical Power Systems  
CR 590 BEng (Honours) in Electronic Systems Engineering  
CK 606 BSc (Honours) in Architecture

### Level 7

CR 046 BSc in Transport Management & Technology  
CR 051 BEng in Civil Engineering  
CR 052 Construction

Degree Award options:

BSc in Construction Management or  
BSc in Quantity Surveying

CR 053 BSc in Interior Architecture  
CR 055 BEng in Environmental Engineering  
CR 061 BEng in Electronic Engineering  
CR 062 BEng in Electrical Engineering  
CR 071 BEng in Mechanical Engineering  
CR 072 BEng in Building Services Engineering  
CR 075 BEng in Biomedical Engineering  
CR 077 BSc in Craft Technology (Wood) with Business  
CR 078 BSc in Craft Technology - Mechanical Services  
CR 090 BSc in Architectural Technology

## Follow on Honours Degrees

### Level 8

BSc (Honours) in Process Plant Technology  
BSc (Honours) in Advanced Manufacturing Technology  
BSc (Honours) in Transport Management

## Postgraduate Programmes

Post Graduate Diploma in Embedded Systems Engineering  
Post Graduate Diploma in Science in Construction Project Management  
Master of Architecture  
MSc in Architectural Technical Design  
MSc in Interior Architecture  
MEng in Chemical and Biopharmaceutical Engineering (Taught)  
MEng in Mechanical Engineering (Taught)  
MEng in Embedded Systems Engineering (Taught)  
MEng in Structural Engineering (Taught)  
MEng in Civil Engineering (Environment & Energy) (Taught)  
MSc in Construction Project Management (Taught)  
MEng (by Research)  
PhD

## Other Programmes

Higher Certificate in Science in Good Manufacturing Practice & Technology  
BSc in Good Manufacturing Practice & Technology



# Engineering (Common Entry) (Honours)

**CR 500** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Depends on Specialisation. Choose from:

- BEng (Honours) in Chemical and Biopharmaceutical Engineering
- BEng (Honours) in Mechanical Engineering
- BEng (Honours) in Structural Engineering
- BEng (Honours) in Biomedical Engineering

**Duration:** 1 Year (2 Semesters) Common, students then choose specialisation.

**Places:** 30

**CAO Points in 2012: Round 1:** 345 / **Final:** 310

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or A2 (O)	D3 (O/H)

## What is Engineering?

Engineering is the practical application of science and mathematics to solve problems, and it is everywhere in the world around you. Engineering technologies improve the ways that we communicate, work, travel, stay healthy, and entertain ourselves.

Engineers are problem-solvers who want to make things work more efficiently, quickly, and less expensively. From computer chips and satellites to medical devices and renewable energy technologies, engineering makes our modern life possible.

## Helpful Leaving Certificate Subjects

Mathematics, Physics, Chemistry, and English.

## Potential Areas of Employment

- Chemical & Process Engineering
- Mechanical Engineering
- Civil, Structural & Environmental Engineering
- Biomedical Engineering



**myCIT**  
**myCourse**

*"The Engineering (Common Entry) Programme gave me the opportunity to see all four engineering disciplines first hand, through the various modules on offer, interaction with the lecturers and site visits, this helped me decide which discipline suited me the best."*

**Timothy Harrington**



[www.cit.ie/course/CR500](http://www.cit.ie/course/CR500)

## Module Information

<http://modules.cit.ie/cr500>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Common Engineering Honours Entry Scheme is a one year programme for students interested in engineering as a career, but who may be unsure of which discipline to follow.

The Scheme allows the student to sample the various engineering disciplines on offer at CIT, followed by three years of specialisation.

On successful completion of Year 1, students can enter the second year programme of their choice from any of the following Honours Engineering Degrees:

- CR 105 BEng (Honours) in Chemical and Biopharmaceutical Engineering
- CR 108 BEng (Honours) in Mechanical Engineering
- CR 109 BEng (Honours) in Structural Engineering
- CR 520 BEng (Honours) in Biomedical Engineering

Applicants are advised to visit each of the course sites for detailed descriptions at [www.cit.ie](http://www.cit.ie)

Lectures are supplemented by tutorials, laboratory and fieldwork. There is continuous assessment of reports and projects in addition to end of semester module examinations.

## Career Opportunities

Graduate engineers from the Honours Engineering Degree Programmes can choose from a range of excellent career opportunities working in the private or public sector with opportunities available at both National and International Level. Many graduates ultimately progress to senior management positions in their organisations. These Honours Engineering Degree Programmes also provide a basis for suitably qualified graduates to pursue more advanced studies.

## Contact Information

Des Walsh  
Department of Civil, Structural & Environmental Engineering  
T: 021 432 6765/ 6203  
E: [des.walsh@cit.ie](mailto:des.walsh@cit.ie)

## Question Time

### Am I guaranteed my choice of study at the end of Year 1?

Yes. Successful completion of the Common Engineering Entry Year ensures guaranteed entry to Year 2 of BEng (Honours) programme of choice from the list given.

### If I did not study Honours Mathematics in the Leaving Certificate will I struggle on the courses given that all course streams would normally require Honours Mathematics?

The Mathematics modules in Year 1 are specifically tailored to address the topics which underpin subsequent BEng (Honours) programme studies; this gives a very specific focus to student learning. While the Common Entry students undertake the same Mathematics modules as the Year 1 BEng (Honours) students, an additional module of Mathematics is undertaken in the inter-semester period in January each year. This provides the Common Entry students with an additional learning opportunity in advance of the Semester 2 Mathematics module. Experience has shown that students who do not have the usual BEng (Honours) minimum HC3 requirement do succeed in the Common Entry programme if they have also taken Leaving Certificate Physics and/or Chemistry and are committed to their Year 1 studies.

Students who do not have the HC3 Maths requirement, or equivalent, and who do not have Leaving Certificate Physics or Leaving Certificate Chemistry may find the programme particularly challenging and additional work effort and application is required of these students if they are to succeed.

### What is the advantage of choosing the Common Entry?

The Common Entry gives the student an opportunity to discover more about the various fields of engineering and to identify the engineering profession which is best suited to them. Entry to Year 2 of the BEng (Honours) programme of their choice, from the list identified, is guaranteed for Common Entry students who successfully complete the one year programme – there are no quotas or limits on the number of students who may enter Year 2 of a particular discipline. The Common Entry offers those who may not have had the opportunity to take Higher Level Mathematics at Leaving Certificate, or those who may have opted out of Higher Level Mathematics during the Leaving Certificate programme, a second opportunity to attain the mathematical skills and competences required for BEng (Honours) Engineering Studies.



Open Day 22 & 23 November



# Structural Engineering (Honours)

## CR 109 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Structural Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012: Round 1:** N/A\* / **Final:** N/A\*

\* There were no offers for CR109 in 2012/2013.

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	C3 (H) or (Note 1)	D3 (O/H)

**Note 1:** The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.

### What is Structural Engineering?

Structural Engineering is the science and art of designing civil engineering facilities so that they can safely resist the forces to which they may be subjected. All structures from bridges to buildings, harbours to airports, must be able to meet these requirements. Structural Engineers aim to design these structures with safety, economy and elegance.

### Helpful Leaving Certificate Subjects

Mathematics, English, and Physics.

### Work Placement

As an elective module, there is a work placement of 8 weeks at the end of Year 3.

### Potential Areas of Employment

- Consulting Civil & Structural Engineers
- Civil Engineering Contractors
- State/Semi-State Bodies and Utility Companies
- Local Authorities



**myCIT**  
**myCourse**

*"In addition to theory, the lectures cover plenty of real life engineering problems, which give great context to the course. This way of learning is really interesting and gave me valuable insights into the work of qualified engineers."*  
**Colm Casey**



[www.cit.ie/course/CR109](http://www.cit.ie/course/CR109)



## Module Information

<http://modules.cit.ie/cr109>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course is taught primarily through lectures, practicals and tutorials. A significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. There is a continuing regional, national and international requirement for structural engineers with a knowledge of construction.

Students may use appropriate work experience in the summer period between Year 3 and Year 4 to complete the module with assessment and credit allocated in Year 4. Third year students are offered guidance, advice and assistance with the necessary arrangements and approval for their work experience proposal in the second semester of Year 3.

## Accreditation

The BEng (Honours) in Structural Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. The taught MEng in Structural Engineering, available in the Department as a one year follow on course, is fully accredited by Engineers Ireland as meeting the educational standard for Chartered Engineer from 1/1/2013. The MEng in Civil Engineering (Environment and Energy), available in the Department as a one year follow on course, is provisionally accredited by Engineers Ireland as meeting the educational standard for Chartered Engineer from 1/1/2013 - it is anticipated that this MEng programme will attain full accreditation in due course. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates of an Honours Degree programme in Civil, Structural or Environmental Engineering are eligible to apply for a postgraduate degree at CIT:

- Master of Engineering in Structural Engineering (Taught)
- Master of Engineering in Civil Engineering (Environment & Energy) (Taught)
- Master of Engineering (by Research)

Suitably qualified graduates in Civil, Structural or Environmental Engineering may proceed to a research programme leading to a PhD.

## Career Opportunities

Graduates will be well equipped to meet these demands and will find employment opportunities in Consulting Engineering Offices and with Building & Civil Engineering contractors. They may also be employed by state and semi-state bodies, including local authorities and utilities boards.

For further information in relation to the Civil and Structural Engineering profession please refer to the Engineers Ireland website at [www.engineersireland.ie](http://www.engineersireland.ie).

For further information in relation to the Structural Engineering profession please refer to the Institution of Structural Engineers website at <http://www.istructe.org/>.

The website for the Republic of Ireland branch of the Institution may be found at <http://www.istructe.ie/>.

## Contact Information

Brian O'Rourke  
Department of Civil, Structural & Environmental Engineering  
T: 021 432 6485  
E: [brian.orourke@cit.ie](mailto:brian.orourke@cit.ie)

## Question Time

### What is the difference between Structural Engineering and Civil Engineering?

Civil Engineering is the professional engineering discipline which deals with the design, construction and maintenance of the physical infrastructure of the built environment. This includes works such as buildings, roads, bridges, water and wastewater treatment and supply and harbour and coastal engineering works. In addition to the technical skills required for the above work a Civil Engineer will also have competencies in related fields such as project and asset management & health and safety.

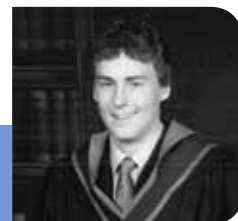
Structural Engineering is a specialist discipline within Civil Engineering which deals with design, construction and maintenance of structures such as buildings, bridges, culverts, towers, masts and foundations. This course provides graduates with the skills to work as a Civil Engineer, however, an additional emphasis is placed on Structural Engineering studies thus giving the graduates enhanced skills in this area.

### What level of drawing is required for this course?

Prerequisite drawing studies are not required. Drawing skills are addressed in the programme modules on the assumption that the students have no prior knowledge or skills in the area.

**myCIT**  
**myCareer**

**David Shalloo**  
Graduate Internship



In 2012, David graduated with a 2nd Class Grade 1 BEng (Hons) in Structural Engineering. He is currently employed by Bord Gáis as a graduate working on the Irish Water Programme. David uses his combination of academic and practical skills attained during his time at CIT to undertake his daily duties as a member of the Metering Design Team. The practical design skills, and diversity of modules available in this course has ensured that he has been able to complete a variety of tasks and become a valued member of the team.

David is also currently undertaking a research Masters part-time in CIT, in the area of Energy Efficiencies in Water Treatment. David is a member of Engineers Ireland.

Open Day 22 & 23 November

# Civil Engineering

## CR 051 Level 7 Award

>> Progression to Honours Degree

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Civil Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 225 / Final: 225

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Civil Engineering?

Civil Engineering deals with one of the most visible signs of change and progress around us: the construction of new buildings, structures and infrastructure. New roads, rail-links, bridges and airports are always needed. New buildings are required for the public and private sectors and older buildings are redeveloped. Civil Engineers are required to plan, design, construct and maintain these facilities.

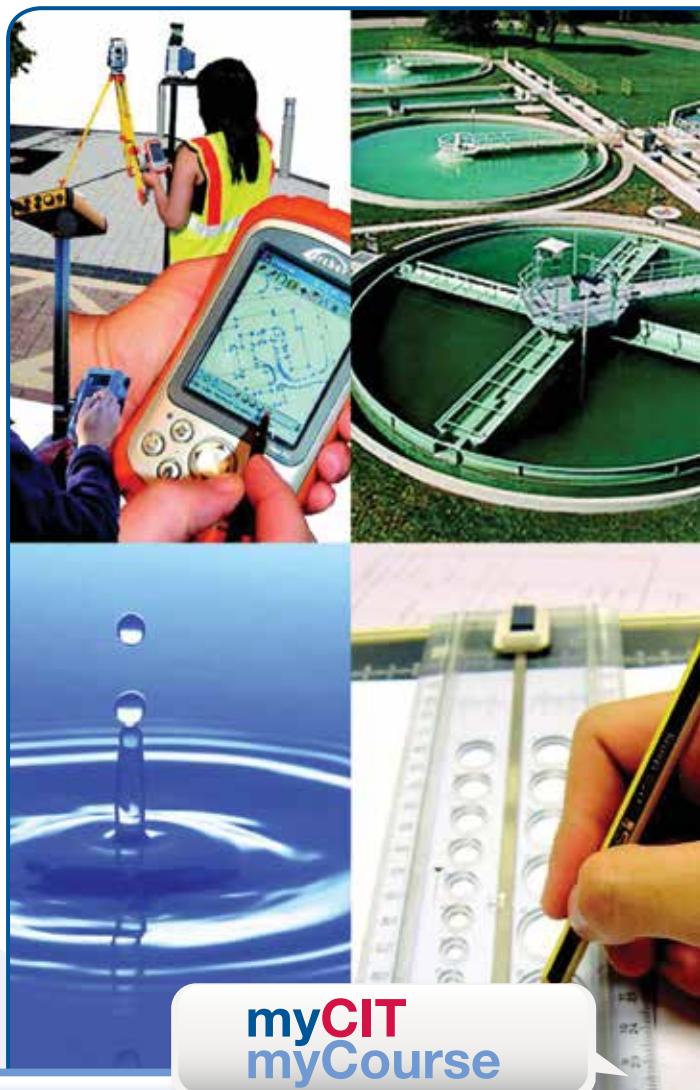
### Helpful Leaving Certificate Subjects

Mathematics, English, Physics, Design and Communication Graphics, and Construction Studies.

### Potential Areas of Employment

Associate Engineer/Higher Technician Level in the following areas:

- Consulting Engineers
- Civil Engineering Contractors
- State/Semi-State Bodies and Utility Companies
- Local Authorities
- Self-Employed Consultant



**myCIT**  
**myCourse**

*"What CIT does best is provide industry with graduates of a well-rounded nature and character which enables them to learn new skills quickly and to adapt to any situation."*  
**Ger Cogan**



## Module Information

<http://modules.cit.ie/cr051>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Practical sessions are carried out to provide as much “hands on” experience as possible. There is continuous assessment of reports, drawings and projects in addition to mid and end of module examinations. The Department of Civil, Structural & Environmental Engineering has active links with colleges in France, Germany, Finland and the Czech Republic and arranges student study exchanges with these colleges.

## Accreditation

This course is fully accredited by Engineers Ireland. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Sydney and Dublin Accords through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Subject to availability of places, suitably qualified graduates may be considered for entry to Year 3 of

- Bachelor of Engineering (Honours) in Structural Engineering

This is the most common progression route for graduates wishing to pursue a career in Civil/Structural Engineering. However, a civil engineering qualification provides a broad range of skills and graduates successfully seek opportunities for further studies at Honours Bachelor Degree level across a wide range of other cognate disciplines. For example, in recent years, some graduates of the programme have pursued further studies in CIT in

- Year 3 of Bachelor of Engineering (Honours) in Sustainable Energy (CR510)
- Year 4 of Bachelor of Science (Honours) in Construction Management (CR572)

## Career Opportunities

An undergraduate education in Civil Engineering provides a very good platform not only for a career and/or further education in Civil Engineering but potentially for a much wider spectrum of employment opportunities. Graduates are likely to work in conjunction with architects, quantity surveyors, builders and also with personnel from other engineering disciplines.

For further information in relation to the Civil Engineering profession please refer to the Engineers Ireland website at [www.engineersireland.ie](http://www.engineersireland.ie)

## Contact Information

David Cadogan

Department of Civil, Structural & Environmental Engineering

T: 021 433 5957

E: [david.cadogan@cit.ie](mailto:david.cadogan@cit.ie)

## Question Time

### What do Civil Engineers do?

Civil Engineering is the professional engineering discipline which deals with the design, construction and maintenance of the physical infrastructure of the built environment. This includes works such as buildings, roads, bridges, water treatment and supply, wastewater treatment, and harbour and coastal engineering works. In addition to the technical skills required for the above work a Civil Engineer will also have competencies in related fields such as project and asset management, and health and safety.

### Why study Civil Engineering?

Civil Engineers identify and analyse problems, and develop and implement solutions. In addition to technical skills Civil Engineers have competences in related fields of project management and health and safety. Civil Engineers work as individuals and in teams. The problem solving, solution implementation and management skills of Civil Engineers are applicable to a broad range of work environments and are valued by a wide range of employers.

### What level of drawing is required for this course?

Prerequisite drawing studies are not required. Drawing skills are addressed in the programme modules on the assumption that the students have no prior knowledge or skills in the area.

**myCIT**  
**myCareer**

**James O'Leary**  
Project Manager



“The BEng in Civil Engineering course provided a wide variety of skills that helped me to join the engineering workforce after finishing college.”

James graduated from the BEng in Civil Engineering degree programme in 2011, gaining a Distinction award. Upon graduation, Response Engineering, based in Charleville, Co. Cork, specialists in the design, build and operation of waste water treatment plants and potable water treatment plants, employed James and provided him with the opportunity to gain wide-ranging work experience in Ireland.

Open Day 22 & 23 November



# Environmental Engineering

## CR 055 Level 7 Award

**Application:** CAO

**Award Title:** Bachelor of Engineering in Environmental Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** New Course Entry 2013

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Environmental Engineering?

Environmental Engineering is that branch of engineering concerned with the application of scientific and engineering principles for the protection and improvement of the environmental quality of the world in which we live.

Environmental Engineers work on issues of sustainability, provide safe and secure drinking water, collect, treat and properly dispose of wastewater and other wastes, design flood protection measures, maintain or improve air and noise quality, design sustainable urban drainage systems, clean up contaminated land and groundwater, and help communities and industry minimise pollution, among many other activities.

It is most commonly a distinct and specialist engineering discipline within the Civil Engineering profession and it is in this context that this course has been developed.

### Helpful Leaving Certificate Subjects

Mathematics, English, and Physics.

### Potential Areas of Employment

- Consulting Engineers
- State/Semi-State Bodies
- Utility Companies
- Local Authorities
- Contractors
- Self-Employed Consultant



## Module Information

<http://modules.cit.ie/cr055>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Practical sessions are carried out to provide as much “hands on” experience as possible. There is continuous assessment of reports, drawings and projects in addition to mid and end of module examinations. The Department of Civil, Structural & Environmental Engineering has active links with colleges in France, Germany, Finland, and the Czech Republic and student study exchanges with these colleges can be arranged.

Many graduates of the programme will use the qualification as a stepping stone to attain an Honours degree in the discipline.

## Accreditation

The Department has a long history of professional accreditation of its courses; the well-established BEng in Civil Engineering course is fully accredited by Engineers Ireland and it is envisaged that the BEng in Environmental Engineering will be similarly accredited in due course.

Most recently the BEng (Honours) and taught MEng programmes in the Department successfully completed the Engineers Ireland accreditation process in 2012. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe.

Engineers Ireland is a signatory to the Sydney and Dublin Accords through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and the UK.

## Further Studies

Subject to the achievement of the appropriate entry requirements graduates of the programme may progress to an Honours engineering degree programme in Civil or Environmental Engineering; it is the intention of the Department to develop a BEng (Honours) in Environmental Engineering programme.

The Department has an active environmental engineering research unit and additionally offers taught postgraduate opportunities in the environmental engineering discipline (Level 7 & Level 8 Special Purpose Awards - Certificate in Environmental and Energy Engineering and a Level 9 MEng in Civil Engineering (Environment and Energy) programme).

## Career Opportunities

An undergraduate education in engineering provides a very good platform not only for a career and/or further education in engineering but potentially for a much wider spectrum of employment opportunities. Graduates of this programme will have developed skills in a broad range of civil engineering disciplines but will have developed particular expertise in environmental engineering.

For further information in relation to the environmental engineering profession please refer to the Engineers Ireland website at [www.engineersireland.ie](http://www.engineersireland.ie)

## Contact Information

David Cadogan  
Department of Civil, Structural & Environmental Engineering  
T: 021 433 5957  
E: [david.cadogan@cit.ie](mailto:david.cadogan@cit.ie)

## Question Time

### What topics are studied in this programme?

The first two years of the programme involve foundation studies in theory and fundamental principles. Fundamental civil engineering practice studies are undertaken in the areas of Environmental Engineering, Construction, Health and Safety, Materials Technology, Surveying, and Structural Engineering.

In Year 3 the mandatory modules have a particular focus on Environmental Engineering with skills in Water, Wastewater, Integrated Waste, Transport Planning and Infrastructure Design being developed; engineering practice skills are further developed in the areas of Management and Geotechnical Engineering. The theory and fundamental principles studies necessary for the further academic progression of the graduate are also provided. The Year 3 Project module (10 credits) affords the student an opportunity to carry out an engineering investigation into a specific topic where he/she can use the knowledge gained during his/her studies.

### Why study Environmental Engineering?

Increased environmental awareness and significant developments in environmental legislation and quality assurance requirements have created increased career opportunities locally, nationally and internationally for environmental engineers. Environmental engineering infrastructure such as systems for water supply and distribution, wastewater collection and treatment and flooding control, which were developed some time ago, are in urgent need of renewal and the provision of modern management systems for the broad remit of today's environmental engineering infrastructure is a priority in a world increasingly aware of sustainability and cost issues; qualified Environmental Engineers are needed to deliver this renewal.



Open Day 22 & 23 November

# Construction Management (Honours)

## CR 572 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Construction Management

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 255 / Final: 255

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Construction Management?

Construction management is the overall planning, coordination, and control of a development from inception to completion. Construction Management is aimed at meeting a client's requirements in order to produce a functionally and financially viable project in the Engineering and Architectural environment.

Construction Management involves the planning, design, production, adaptation, maintenance, restoration, conservation, financial and engineering management, evaluation and recycling of the built environment.

### Helpful Leaving Certificate Subjects

Construction Studies, Engineering, Technology, & Science subjects.

### Potential Areas of Employment

- Project and Contracts Management
- Project Planning & Control
- Facilities Management
- Building Surveying
- Project Evaluation & Development
- Design Management & Administration
- Education - Teaching & Lecturing



myCIT  
myCourse

*"Submitting a Project Evaluation and Development Report, and a Dissertation, really brought it home to me the vital skills required in order to be a Construction Manager. It was hard work but very worthwhile."*  
**Shane O'Connor**



[www.cit.ie/course/CR572](http://www.cit.ie/course/CR572)



## Module Information

<http://modules.cit.ie/cr572>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course is taught primarily through lectures, practicals and tutorials. Significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. The student is required to submit a project evaluation and development report, and a dissertation.

## Accreditation

The Construction Management Honours degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- Postgraduate Diploma in Construction Project Management (Taught)
- MSc in Construction Project Management (Taught)
- MSc (by Research)

## Career Opportunities

It is a challenging and rewarding career by providing the opportunity to be involved in the development of essential infrastructure in many parts of the world.

The Construction Manager is adaptable to many roles within the broader built environment. This may include; the overall management and development of construction and infrastructure projects, building control for Local and National Authorities, Education, Design, and Consultancy.

## Contact Information

Joseph Kehoe  
Department of Construction  
T: 021 433 5410  
E: [joseph.kehoe@cit.ie](mailto:joseph.kehoe@cit.ie)

## Question Time

### Why does a Client require a Construction Manager?

A Client requires a Construction Manager to plan, coordinate, supervise, and control complex and financially demanding developments. Most Clients would not have the necessary experience or expertise to carry out these functions, and rely on their Construction Management expert to guide them through the process.

### Is a Construction Manager site based?

Not necessarily, the Construction Manager may be site-based or office based. The Construction Manager can perform a number of different roles within the Built Environment, these include working for Contracting organisations, Multi-disciplinary Project Management Companies, Local and National Governmental Authorities, and Consultancies.

### What are the prospects for employment in Construction Management?

Due to the variety of potential employment areas for Construction Management Graduates, the majority of recent graduates have successfully gained employment either at home or abroad.

### Is the BSc (Honours) in Construction Management recognised abroad?

Yes, the Construction Management Honours degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

**myCIT**  
**myCareer**

**Conor O'Keeffe**  
Construction Manager



"Since graduating from CIT, I trained with a principal contractor under a graduate development scheme. The scheme provided technical, commercial and management experience which enabled me to utilise the knowledge I gained from the BSc Honours Degree in Construction Management. I have worked on a number of complex, inner city projects in a project management role. Achieving Chartered status (MCIOB) of the Chartered Institute of Building (MCIOB) has been my career highlight to date.

The honours degree provided me with the skills to develop a rewarding and challenging career in the construction industry. The importance of professionalism was highlighted at CIT and has given me the appetite to pursue a diverse career in construction management. I am currently based in London with a major construction organisation."

Open Day 22 & 23 November

# Quantity Surveying (Honours)

## CR 570 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Quantity Surveying

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 280 / Final: 280

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Quantity Surveying?

A Quantity Surveyor manages all costs relating to building and civil engineering projects, from the initial calculations to the final figures. Quantity Surveyors seek to minimise the costs of a project and enhance value for money, while still achieving the required standards and quality. A quantity surveyor may work for either the client or the contractor, working in an office or on-site. They are involved in a project from the start, preparing estimates and costs of the work.

### Helpful Leaving Certificate Subjects

Construction Studies, and Design and Communication Graphics.

### Potential Areas of Employment

- Professional Quantity Surveyor
- Contractor's Quantity Surveyor
- Estimator



**myCIT**  
**myCourse**

*"This demanding yet rewarding course has prepared me for both further education and participation in the workplace. One of its many strengths is the extensive interaction with fellow students and lecturing staff."*

**Eoin Keane**



[www.cit.ie/course/CR570](http://www.cit.ie/course/CR570)

## Module Information

<http://modules.cit.ie/cr570>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

A significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. The course culminates with students submitting a bespoke construction project of their choosing demonstrating the application of technically appropriate, economically viable and environmentally sustainable solutions, from inception through to contract completion. Graduates, upon gaining employment, may commence their structured training leading to designation as a Chartered Surveyor.

## Accreditation

The course is fully accredited by the Society of Chartered Surveyors Ireland (SCSI), The Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Civil Engineering Surveyors (CICES), and the Chartered Institute of Building (CIOB).

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- Postgraduate Diploma in Construction Project Management (Taught)
- MSc in Construction Project Management (Taught)
- MSc (by Research)

## Career Opportunities

It is a challenging and rewarding career and affords the Quantity Surveyor an opportunity to travel to many parts of the world in his or her role as construction cost advisor/manager.

The Professional Quantity Surveyor is normally office based within a consultancy firm and their working hours will invariably involve visiting sites to attend site meetings and to monitor the progress and financial aspects of their construction projects.

The Contractor's Quantity Surveyor is normally site based and involves controlling construction costs for the Contractor/Builder as they occur on site. He also procures various subcontractors to carry out different work packages for the building contract.

## Contact Information

James Kilduff  
Department of Construction  
T: 021 432 6108  
E: [james.kilduff@cit.ie](mailto:james.kilduff@cit.ie)

## Question Time

### What is the difference between a Professional QS and a Building QS?

The Professional Quantity Surveyor represents the client in all aspects of construction from feasibility study to final construction costs and is normally practice based. The Contractors Quantity Surveyor works for the main contractor/builder to control construction costs as they occur on site and normally this Quantity Surveyor is site based.

### How do I become Chartered?

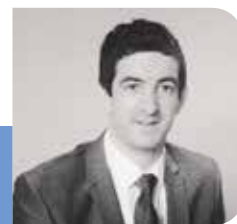
Eligible graduates may apply to the Society of Chartered Surveyors Ireland (SCSI) for membership and undertake the Assessment of Professional Competence (APC), this is typically over two years and successful completion of this entitles them to full chartered membership of the SCSI.

### Can a Quantity Surveyor work also as a Project Manager?

The project management role can be undertaken by any of the construction professions, provided they have the necessary management skills and capability.

**myCIT**  
**myCareer**

**Liam O'Shea**  
Quantity Surveyor



"In 2007, I graduated with a BSc (Honours) in Quantity Surveying. I am employed by Michael Barrett Partnership in Cork and I work on a diverse range of both public and private sector projects. My responsibilities include cost management of construction contracts at both pre and post contract stages.

CIT has provided me with an excellent understanding of the roles and responsibilities of Quantity Surveyors."

Open Day 22 & 23 November



# Construction (Common Entry)

## CR 052 Level 7 Award

- >> Progression to Honours Degrees & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Depends on Specialisation. Choose from:

- BSc in Construction Management
- BSc in Quantity Surveying

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 200 / Final: 200

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Construction?

Construction is a process of the built environment which involves many areas of employment. For modern, complex buildings it involves the commissioning, management, design, and assembly of huge amounts of raw materials and the use of considerable labour resources.

### Helpful Leaving Certificate Subjects

Construction Studies, and Design and Communication Graphics.

### Potential Areas of Employment

- Site Management
- Quantity Surveying/Estimating
- Project Planning and Management
- Working with Developers, Designers and Contracting Organisations



**myCIT**  
**myCourse**

*"Doing the Common Entry was a good insight to see how both a Construction Manager and a Quantity Surveyor carried out their work, and what would be involved in their career paths. I made an informed decision in Year 3 and I'm now completing my Honours Degree."*  
**Scott MacDonald**



[www.cit.ie/course/CR052](http://www.cit.ie/course/CR052)

## Module Information

<http://modules.cit.ie/cr052>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

### About the Course

For the first two years of the programme students follow a common curriculum. Students who successfully complete Year 1 and Year 2 may choose either the Bachelor of Science in Construction Management or the Bachelor of Science in Quantity Surveying in Year 3.

The Construction Manager monitors the progress and quality of the work on site, supervising and coordinating subcontractors and specialist suppliers.

The objective of Quantity Surveying is to control cost, limit risk and add value to a project.

In addition to lectures, time is also given to practical work in surveying, drawing, project work and Computer Aided Design (CAD).

### Accreditation

This course qualifies for exemptions from the Chartered Institute of Building.

### Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates may apply for entry to Year 4 of:

→ Bachelor of Science (Honours) in Construction Management

or

→ Bachelor of Science (Honours) in Quantity Surveying

### Career Opportunities

The principal areas of employment are as surveyors or as construction managers with contracting organisations, government departments, semi-state bodies, and private practice companies.

### Contact Information

Tim McNamara  
Department of Construction  
T: 021 433 5414  
E: [tim.mcnamara@cit.ie](mailto:tim.mcnamara@cit.ie)

### Question Time

#### What is the advantage of studying the Common Entry?

The student has the flexibility of the common two years of the course before having to decide on which specialist option they want to graduate in.

#### What level of drawing is required for this course?

Drawing is a useful skill but not essential, it helps students understand the technology that they will ultimately be managing or measuring.

**myCIT**  
**myCareer**

**Gerry O'Rourke**  
Project Manager



A previous Lord Pilkington Prize Gold Medallist, Gerry is currently working as a project manager for MACE Limited, a major Construction Management Company in the UK. "The course is very focused, ensuring that up to date methods are to the fore." Gerry aims to rise to the top of his profession and having already achieved first in the world for his Construction Management Project, his future seems assured.

**myCIT**  
**myCareer**

**Nadine Scallan**  
Chartered Quantity Surveyor



"I am currently employed as a Senior Surveyor. Projects with which I have been involved to date include housing and apartment developments, hotels, an art gallery and a health centre. My role on these projects extends from preparing budgets, bills of quantities, interim valuations, project cost control and cost reviews to the preparation and agreement of final accounts. What I enjoy most about my job is the range and variety of projects."

Open Day 22 & 23 November

# Architecture (Honours)

## CK 606 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Architecture

**Duration:** 4 Years (8 Semesters)

**Places:** 45

**Location:** Cork Centre for Architectural Education, Copley St., Cork

**CAO Points in 2012: Round 1:** 400 / **Final:** 400

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English and Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Architecture?

Architecture explores new ways of living, investigates new technologies and materials, and strives to ensure that new buildings, towns and landscapes are environmentally sustainable. Architecture combines art, science and technology in the design and construction of buildings and their surroundings within a socio-cultural context. Architects engage themselves in all aspects and stages of the architectural process from design, through planning to construction and management. They are involved in projects of a diverse nature, including the design of domestic, retail, leisure, health, commercial, industrial and educational buildings, towns and urban landscapes.

### Helpful Leaving Certificate Subjects

Art, Mathematics, English, Design and Communication Graphics, and a Science subject.

### Where will I be studying?

The majority of lectures, practicals, and studio work are held in the Cork Centre for Architectural Education in Copley Street, Cork City. Some instruction may take place in the CIT campus and the University College Cork (UCC) campus.

### Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



**myCIT**  
**myCourse**

*"I chose CK 606 because it is the only place in Ireland where an Institute of Technology (CIT) and a University (UCC) have joined together to provide a Centre for Architectural Education. I have learned so much in a very short time and I have enjoyed every minute."*

**Caoimhe Lynch**



[www.cit.ie/course/CK606](http://www.cit.ie/course/CK606)

<http://architecture.cit.ie>



## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The BSc (Honours) Degree in Architecture is jointly offered by Cork Institute of Technology (CIT) and University College Cork (UCC).

This is a studio and project-led course integrating the three pillars of architectural education; design, technology and the humanities. The first year of study provides a foundation in design and the built environment, appropriate to both the discipline of architecture and associated design courses. The following years of study will become progressively more architecturally focused whilst still allowing and encouraging experimentation and research into associated disciplines as well as developing transferrable skills in communication, team working, computer aided design and management.

This exciting and innovative Honours Degree programme has been developed with the support of the local architectural profession and in consultation with the Royal Institute of Architects of Ireland (RIAI).

## Accreditation

This course is fully accredited by the Royal Institute of Architects of Ireland together with a fifth year programme of study leading to the award of a Master's Degree.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates will be eligible to enter a Master's of Architecture programme, which together with a Certificate in Architectural Professional Practice and Practical Experience, will provide the overall education programme geared towards professional accreditation.

## Career Opportunities

The study of Architecture provides opportunities to develop a wide range of transferrable skills. Graduates will have had rich experience of working in teams, working to deadlines, developing abilities in verbal and graphic communication and most importantly, skills in creativity, design and innovation - the essential ingredients of success in the contemporary economy.

Architecture itself provides exciting and widely varied career opportunities. Graduates may specialise in certain types of buildings, or concentrate on a particular area such as design, technology, architectural conservation or project management. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a Government Department or Local Authority.

## Contact Information

Katherine Keane  
Department of Architecture, CIT  
T: 021 433 5970  
E: [katherine.keane@cit.ie](mailto:katherine.keane@cit.ie)

Gerry McCarthy  
Cork Centre for Architectural Education  
T: 021 429 8401

## Question Time

### How is my time split between CIT and UCC?

This is a joint programme between CIT and UCC. It is housed in the Cork Centre for Architectural Education, Copley Street, Cork.

### How much of my time is devoted to studio and project work?

50% is devoted to studio.

### What kind of personal skills do I need?

You need to be a creative, innovative, logical, critical thinker ... think outside the box!

### What is the difference between Architectural Technology and Architecture?

Architectural Technology can be described as technical design while Architecture focuses on overall building design.



Open Day 22 & 23 November

# Architectural Technology (Honours)

## CR 560 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Architectural Technology

**Duration:** 4 Years (8 Semesters)

**Places:** 36-40 (between CR 560 and CR 090)

**CAO Points in 2012: Round 1:** 290 / **Final:** 285

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Architectural Technology?

The Architectural Technologist is involved with the technical issues of the architectural design process and plays the role of a technical designer. S/he is a team player who provides an expertise in technical design principles and knowledge in the development of the built environment. S/he is an organiser and coordinator of the diverse disciplines involved in the design and construction process.

### Helpful Leaving Certificate Subjects

Art, Mathematics, English, Design and Communication Graphics, and a Science subject.

### Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



**myCIT**  
**myCourse**

*"I like the variety of drafting and the way in which theory and practical knowledge from site visits is blended with the drawing modules."*  
**Elaine Casey**



## Module Information

<http://modules.cit.ie/cr560>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This is a studio-led course involving working drawings and other construction related projects, with a range of lectures and site visits designed to contribute to the student's comprehension and to the development of project work.

Students in Year 4 of the programme have the opportunity to pursue specific areas of research critical to the built environment and architectural practice. Students identify individual areas of interest in the architectural process and conduct intensive research leading to expertise. These emerging specialisms are sought by architectural practices and allied disciplines in architecture and construction and provide graduates with competitive skills.

## Accreditation

This course is in the process of accreditation review by the Royal Institute of Architects in Ireland. This course is fully accredited by the Chartered Institute of Building.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.

→ MSc in Architectural Technical Design

## Career Opportunities

A graduate of Architectural Technology is a critical member of the Design Team, as s/he has an excellent appreciation and knowledge of the other Design Team discipline roles, and is involved in the coordination and development of a project at all stages.

Graduates may specialise in certain building typologies or concentrate on a particular area such as technical design, technology, architectural conservation or project management. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a Government Department or Local Authority.

## Contact Information

Katherine Keane  
Department of Architecture  
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E: [katherine.keane@cit.ie](mailto:katherine.keane@cit.ie)

## Question Time

**How much of my time is devoted to studio and project work?**

Approximately 50% of time is devoted to studio and project work.

**How helpful is it to have Design & Communication Graphics at Leaving Cert level?**

Design and Communication Graphics would provide a solid foundation for this programme.

**What is the difference between Architectural Technology and Architecture?**

Architectural Technology can be described as technical design while Architecture focuses on overall building design.



**myCIT**  
**myCareer**

**Michael Wixted**  
Architectural Technologist



After graduation, Michael began work with EML Architects and from the onset was working on multiple projects, completing construction drawings on residential apartments, submitting planning applications for school extensions and fire stations.

He is now working on a €30 million R&D facility. "Without a doubt, the education I received at CIT has provided me with an amazing start in my career field and is the reason why I have been able to excel at what I do."

Open Day 22 & 23 November



# Architectural Technology

## CR 090 Level 7 Award

>> Progression to Honours Degree & Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science in Architectural Technology

**Duration:** 3 Years (6 Semesters)

**Places:** 36-40 (between CR 090 and CR 560)

**CAO Points in 2012: Round 1:** 260 / **Final:** 230

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Architectural Technology?

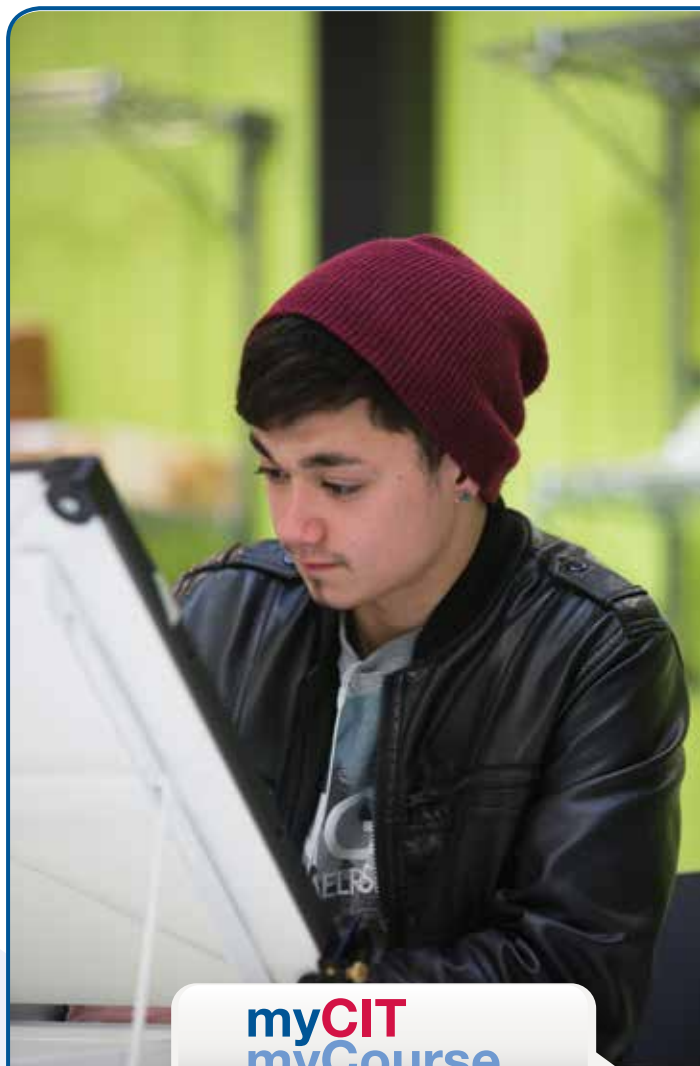
The Architectural Technologist is involved with the technical issues of the architectural design process and plays the role of a technical designer. S/he is a team player who provides an expertise in technical design principles and knowledge in the development of the built environment. S/he is an organiser and coordinator of the diverse disciplines involved in the design and construction process.

### Helpful Leaving Certificate Subjects

Art, Mathematics, English, Design and Communication Graphics, and a Science subject.

### Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



**myCIT**  
**myCourse**

*"The drawing modules take the form of 2D and 3D computer modelling and drawing and scaled model building thus expanding my knowledge of the Architecture."*

**Andrew O'Driscoll**



[www.cit.ie/course/CR090](http://www.cit.ie/course/CR090) <http://architecture.cit.ie>

## Module Information

<http://modules.cit.ie/cr090>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This is a studio-led course involving working drawings and other construction related projects, with a range of lectures and site visits designed to contribute to the student's comprehension and to the development of project work. Over the duration of the course, the student develops skills related specifically to Architectural Technology as well as an appreciation of the role and requirements of other members of the building team.

A graduate of Architectural Technology is a critical member of the Design Team, as s/he has an excellent appreciation and knowledge of the other Design Team discipline roles, and is involved in the coordination and development of a project at all stages.

## Accreditation

This course is in the process of accreditation review by The Royal Institute of Architects of Ireland. This course qualifies for exemptions from the Chartered Institute of Building.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Subject to availability of places, suitably qualified graduates are eligible to apply for entry to Year 4 (final) of

→ Bachelor of Science (Honours) in Architectural Technology

The course also maintains co-operative links with other construction-related courses within the Institute and in other colleges.

## Career Opportunities

Graduates may specialise in certain building typologies or concentrate on a particular area such as technical design, technology, architectural conservation or project management. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a Government Department or Local Authority.

## Contact Information

Katherine Keane  
Department of Architecture  
T: 021 433 5970  
E: [katherine.keane@cit.ie](mailto:katherine.keane@cit.ie)

## Question Time

**How much of my time is devoted to studio and project work?**

Approximately 50% of time is devoted to studio and project work.

**How helpful is it to have Design & Communication Graphics at Leaving Cert level?**

Design and Communication Graphics would provide a solid foundation for this programme.

**What is the difference between Architectural Technology and Architecture?**

Architectural Technology can be described as technical design while Architecture focuses on overall building design.



**myCIT**  
**myCareer**

**Siobhán Keating**  
Architectural Technician /  
Associate



Siobhán is an Associate with O'Riordan Staehli Architects with particular expertise and responsibility for Fire & Safety on all projects.

"My Degree gave me a strong technical foundation with excellent drafting skills, detail design, and architectural appreciation. This is a challenging and interesting career. I work very closely with all members of the Design Team – Clients, Quantity Surveyors, Engineers and Contractors, ensuring that the full coordination of all the building elements complements the building design."

Open Day 22 & 23 November

# Interior Architecture (Honours)

## CR 565 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Interior Architecture

**Duration:** 4 Years (8 Semesters)

**Places:** 40 (between CR 565 and CR 053)

**CAO Points in 2012:** Round 1: 280 / Final: 280

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Interior Architecture?

Interior Architecture involves the design of interiors of buildings, their layout and space planning, fitting, technical and structural resolution, furnishing and decoration, and the preparation of all technical drawings and written documentation, necessary for the carrying out of the work.

The design work of the Interior Architect includes domestic, commercial, leisure, retail, educational and healthcare interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

### Helpful Leaving Certificate Subjects

Art, English, Mathematics, Design and Communication Graphics, and a Science subject.

### Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



**myCIT**  
**myCourse**

*"This course encouraged me to find my creative identity through the mediums of hand drawing, model making, and computer rendering. The lecturers are passionate about the course and treated me as a person with opinions while guiding me to achieve my best."*

**Liam Hickey**



[www.cit.ie/course/CR565](http://www.cit.ie/course/CR565)

<http://architecture.cit.ie>



## Module Information

<http://modules.cit.ie/cr565>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Interior Architecture is specific to a building's interior. It stands at the intersection of Architecture, design of the built environment, sustainability, and conservation. Unlike interior design, it is architecture within the confines of an existing building. As such, the course requires a level of technical competence to compare with that of the architect, as the responsibilities to the client and community are similar.

Interior Architecture involves the design of interiors of buildings, their layout, fitting, furnishing and decoration and the preparation of all technical drawings and written documentation necessary for the carrying out of the work. The design work of the Interior Architect includes domestic, commercial, leisure, retail, educational, and healthcare interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

At CIT, Interior Architecture covers the spectrum of industry specialisms. It involves the initial design and plan for use to accommodate a changed purpose, or a significantly revised design for adaptive reuse of the building shell. It considers structural adaption, sustainable redevelopment strategies, the use of light, air movement, ventilation, horizontal/vertical circulation, and servicing. The practice of Interior Architecture responds to multiple user needs and a wider social responsibility.

The core of this programme is the design studio where skills in design and representation are integrated with mastery of content from other modules. The emphasis is the development of strong commercial design and analytical skills in a studio-based environment.

Modules in the award stage of the Honours Degree will include a comprehensive Design Project, as well as modules in the areas of Conservation; Sustainability; Research Methods; and Professional Practice.

## Accreditation

This course is in the process of accreditation review by the Royal Institute of British Architects part 1 and the European Council of Interior Architects. This course is fully accredited by the Chartered Institute of Building.

## Further Studies

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.

→ MSc in Interior Architecture

## Career Opportunities

This course qualifies graduates to work in architectural practice, interior design firms, and allied disciplines in the capacity of Interior Architect as a designer with a developed area of focus and expertise or in entry management positions.

The graduate will be proficient in the master-planning, spatial design and the materiality of complex interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong

understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self-employment after a suitable period of practical experience.

## Contact Information

Kevin Busby  
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Katherine Keane  
Department of Architecture  
T: 021 433 5970  
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## Question Time

**How much of your time is devoted to studio/project work?**

Approximately 50% of time is devoted to studio and project work.

**What is the difference between Interior Architecture and Architectural Technology?**

Interior Architecture includes aesthetic design of all interior aspects of a building. Architectural Technology can be described as technical design.

**Am I qualified as an Interior Designer?**

This programme is designed to graduate candidates who will practice in Interior Architecture which includes interior design.

**myCIT**  
**myCareer**

**Donal Sheehan**  
Architectural Designer



"I am currently working in New York City for Reveal Design Group. My responsibilities as an architectural designer involves working on all phases of design, including pre-design, schematic design, design development and construction documentation. I'm also directly involved in establishing the company's brand through the use of social media, and initiating the development of an internship programme.

I am a team member of the following design projects: the Andaz Resort in Costa Rica, a town house overlooking Central Park, the Westin Hotel in Times Square, the retrofit of a yacht on the Hudson and the lighting design for Tadao Ando's Morimoto restaurant in Soho."

Open Day 22 & 23 November

# Interior Architecture

## CR 053 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Science in Interior Architecture

**Duration:** 3 Years (6 Semesters)

**Places:** 40 (between CR 053 and CR 565)

**CAO Points in 2012: Round 1: 220 / Final: 220**

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Interior Architecture?

Interior Architecture involves the design of interiors of buildings, their layout and space planning, fitting, technical and structural resolution, furnishing and decoration, and the preparation of all technical drawings and written documentation necessary for the carrying out of the work. The design work of the Interior Architect includes domestic, commercial, leisure, retail, educational and healthcare interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

### Helpful Leaving Certificate Subjects

Art, Construction Studies, and Design and Communication Graphics.

### Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



**myCIT**  
**myCourse**

*"I really enjoy my course, it's challenging but fun. It is very hands-on and demanding at times but it will be worth it in the end. The support from the lecturers and the department is excellent."*

**Siobhán Granfield**



[www.cit.ie/course/CR053](http://www.cit.ie/course/CR053) <http://architecture.cit.ie>

## Module Information

<http://modules.cit.ie/cr053>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course qualifies graduates to work in architectural and interior design firms, in junior management positions, and prepares the individual to choose self-employment after a suitable period of practical experience.

This mainly studio based course is taught through formal lectures and tutorials. It has a significant amount of time allocated to studio and project work. There is a high technical input, supplementing the design drawing and presentation content.

## Accreditation

This course is in the process of accreditation review by the Royal Institute of British Architects part 1 and the European Council of Interior Architects. This course is fully accredited by the Chartered Institute of Building.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Subject to availability of places, suitably qualified graduates are eligible to apply for entry to Year 4 (final) of

→ Bachelor of Science (Honours) in Interior Architecture

## Career Opportunities

This course qualifies graduates to work in architectural practice, interior design firms, and allied disciplines in the capacity of Interior Architect as a designer with a developed area of focus and expertise or in entry management positions.

The graduate will be proficient in the master-planning, spatial design and the materiality of complex interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self-employment after a suitable period of practical experience.

## Contact Information

Kevin Busby  
Department of Architecture  
T: 021 433 5971  
E: [kevin.busby@cit.ie](mailto:kevin.busby@cit.ie)

Katherine Keane  
Department of Architecture  
T: 021 433 5970  
E: [katherine.keane@cit.ie](mailto:katherine.keane@cit.ie)

## Question Time

### How much of your time is devoted to studio/project work?

Approximately 50% of time is devoted to studio and project work.

### What is the difference between Interior Architecture and Architectural Technology?

Interior Architecture includes aesthetic design of all interior aspects of a building including technical resolution.

Architectural Technology can be described as technical design.

### Am I qualified as an Interior Designer?

This programme is designed to graduate candidates who will practice in Interior Architecture which includes interior design.

### What is the difference between Interior Architecture and Interior Design?

Interior Architecture is specific to a building's interior. It stands at the intersection of Architecture, design of the built environment, sustainability, and conservation. Unlike interior design, it is architecture within the confines of an existing building. As such, the course, requires a level of technical competence to compare with that of the architect, as the responsibilities to the client and community are similar.

**myCIT**  
**myCareer**

**Breeda O'Donoghue**  
Senior Designer



Breeda works with Houseworks Cork as a Senior Designer. Working exclusively with SieMatic Kitchens, Breeda began work with six months post-qualification training in Dublin, before joining the Cork showrooms as its only designer.

Breeda has earned a wealth of experience in dealing with private and commercial projects alike. Her work ranges from presenting the SieMatic range in the showroom to preparing detailed design layouts for prospective clients. Breeda was awarded Young Designer for Kitchens by the Bathrooms & Kitchens Industry Awards in the UK.

Open Day 22 & 23 November



# Craft Technology (Wood) with Business

**CR 077** Level 7 Award

**Application:** CAO

**Award Title:** Bachelor of Science in Craft Technology (Wood) with Business

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** New Course Entry 2012

## Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

## What is Craft Technology (Wood) with Business?

Craft Technology is focused on practical skills as well as knowledge of technology used in current building practice. There are a number of aspects to Craft Technology: sustainable building techniques, conservation, building information modelling, and practical skills in roofing and joinery all blended with core business and management comprehension. The Business section will assist you in starting up your own business.

## Helpful Leaving Certificate Subjects

Business Studies, Design & Communication Graphics, and Construction Studies.

## Potential Areas of Employment

- Carpenter/Joiner
- Foreman
- Business Owner
- Project Manager
- Education/Training
- Joinery/Furniture Design



**myCIT**  
**myCourse**

*"The mix of Business, Technology, and Craft skills give me the option and confidence to work in a broad range of areas from Craft enterprise to management and education."*

**Dan Sweeney**



[www.cit.ie/course/CR077](http://www.cit.ie/course/CR077)

## Module Information

<http://modules.cit.ie/cr077>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course develops the core technical skills in the specific areas of design, woodworking skills, building technology, and business knowledge. Building technology covers the various aspects of technology that make up the fabric of a building, from passive housing details to pneumatic systems.

The focus on workshop skills develops key problem solving techniques, creative abilities and leadership proficiencies in real time, with solutions designed, tested and used on scale model examples. The development of these talents are enhanced over three years, each year expanding on the knowledge and skills of the previous year, developing a comprehensive understanding of timber as a building medium, and how to best use it as a component part of the building envelope.

Modules include Carpentry where you will design, draw and make various types of roofs from basic 'A' Frame to complex Octagonal based turrets.

Joinery will have projects, for example, designing and making doors and windows of traditional and modern types. It also includes designing and making scale model stairs. Building Technology will discuss and highlight different principles behind the different materials used in the fabric of building as well as explaining the newer technologies currently influencing building today.

The Business element includes accountancy, management theory and practice. A module on Entrepreneurship will take you through the steps involved in starting up your own business.

## Career Opportunities

Graduates of this Degree programme will have the skills and competences to enter managerial levels within the construction industry or to become self-employed in a traditional craft area using entrepreneurial skills acquired during this programme.

## Contact Information

Thomas Murray  
Centre of Craft Studies  
T: 021 432 6767  
E: [thomas.murray@cit.ie](mailto:thomas.murray@cit.ie)

## Question Time

### **If I haven't studied Construction Studies in the Leaving Certificate, will I be at a disadvantage?**

No, the course is designed to take the learner from the basics to a complex skill and design in Carpentry and Joinery over three years.

### **Is the class size small and are the exams based on continuous assessment?**

Class sizes are limited to 20 due to workshop space. Assessments vary from subject to subject but most begin in week six and are project based.

### **Are all the materials supplied by CIT?**

Yes, all class materials are supplied by CIT, however, this does not include books or extra material involved in the production of your final project.



Open Day 22 & 23 November

# Craft Technology – Mechanical Services

**CR 078** Level 7 Award

**Application:** CAO

**Award Title:** Bachelor of Science in Craft Technology  
- Mechanical Services

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** New Course Entry 2013

## Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

## What is Craft Technology - Mechanical Services?

This programme in Craft Technology - Mechanical Services has three overarching aims: to elevate, educate, and engage. Its focus is on planning, installation, commissioning and maintenance of services within office blocks, hospitals, hotels, schools, recreational centres, pharmaceutical, apartment blocks, public works, shopping centres, as well as external environmental utilities. Mechanical Services involves heating, cooling and ventilation systems, components and controls and will also cover water services, waste water systems and individual services such as steam, compressed air, refrigeration, specialist gases and renewable energy systems.

## Helpful Leaving Certificate Subjects

Engineering, Technology, Design Communication Graphics, and Mathematics.

## Potential Areas of Employment

- Mechanical Services Supervisor
- Maintenance Manager/Supervisor
- Project/Contract Manager
- Facilities/Utilities Operators
- Field Services Engineer
- Technical Sales Representative



[www.cit.ie/course/CR078](http://www.cit.ie/course/CR078)



## Module Information

<http://modules.cit.ie/cr078>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Craft Technology - Mechanical Services aims to provide students with an understanding of craft mechanical principles as it relates to industry and utilities operation within completed commercial and industrial facilities. The course is taught through a combination of lectures, practical work and assignments/projects.

**Year 1** is structured to deliver the fundamentals through a range of modules such as Mechanical Services Workshop Fluids and Gases, CAD, Industrial Services, Refrigeration, Health and Safety, Mathematics, and ICT. Also the Creativity, Innovation & Teamwork module allows the student to develop their communication and practical skills.

**Year 2** will have a greater emphasis on developing a more in depth analytical and problem solving skills. The modules will include Building Energy Management Systems (BEMS), Mechanical Controls, Documentation Management, 3D CAD and Management.

The common themes of craft skills and engineering practice remain in **Year 3** but there is a targeted focus on design, critical thinking and estimating for mechanical services and project management. In the final semester the students will be required to produce a final year project including research, problem analysis and planning ability.

## Career Opportunities

On completion, graduates will be technically proficient with the appropriate knowledge, skills and competencies in Mechanical Services. They will have further developed the ability to work effectively as an individual and as part of a multi-disciplinary team and an understanding in which the mechanical services supervisor operates. They will be of high academic and practical standards, in order to match the needs of both the Irish and international Mechanical Services industry.

## Contact Information

Eamonn Sheffron  
Centre of Craft Studies  
T: 021 432 6735  
E: [eamonn.sheffron@cit.ie](mailto:eamonn.sheffron@cit.ie)

## Question Time

**If I haven't studied Engineering in the Leaving Certificate, will I be at a disadvantage?**

No, the course is designed to take the student from the basics to a complex skill and design in Mechanical Services over three years.

**Is the class size small and are the exams based on continuous assessment?**

Class sizes are limited to 20 for workshop/laboratory work and 40 for classroom classes. Assessments vary from subject to subject with a range of assessments method applied, continuous assessment, practical skills evaluation, short-answer, written reports; projects and end of semester formal examinations. Modules will typically have 3 occasions of assessment spread over the semester.

**Are all the materials supplied by CIT?**

Yes, all class materials are supplied by CIT, however, this does not include personal protective equipment books or extra material involved in the production of your final project.



Open Day 22 & 23 November

# Chemical & Biopharmaceutical Engineering (Honours)

## CR 105 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Chemical & Biopharmaceutical Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 335 / Final: 335

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	C3 (H) or (Note 1)	D3 (O/H)

**Note 1:** The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.

### What is Chemical & Biopharmaceutical Engineering?

Chemical Engineering is all about change; creating life-enhancing products and services by applying scientific and mathematical understanding to design, control and improve processes that change raw materials into useful products. Chemical Engineers are world leaders in producing medicines, clean energy and water and other key products in a cost effective, safe and environmentally-friendly manner.

### Helpful Leaving Certificate Subjects

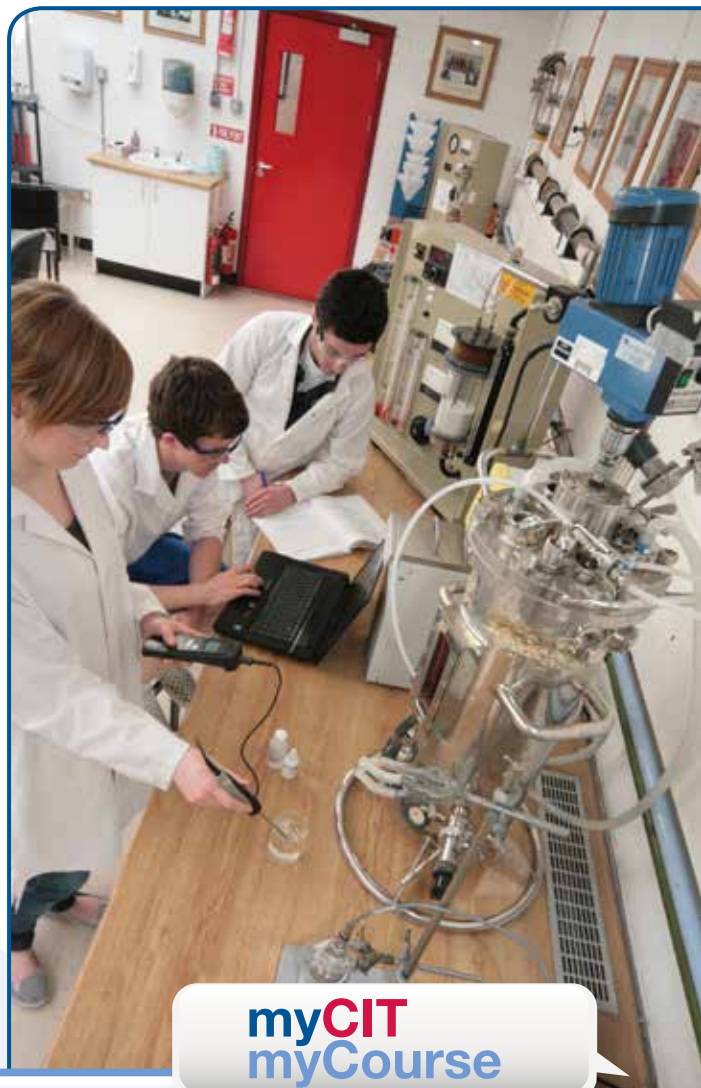
Mathematics, Chemistry, Biology, Physics, and Applied Mathematics. We recommend that you have two of the three science subjects.

### Work Placement

A salaried placement is part of Year 3 and is spent either in industry or with a consultancy (subject to availability).

### Potential Areas of Employment

- Pharmaceuticals & Biopharmaceuticals
- Food & Beverages
- Oil & Gas
- Energy & Environment
- Building Products
- Consultancy



myCIT  
myCourse

*"I've found the course to be diverse, challenging and genuinely interesting. The practical approach taken combined with the supportive learning environment equipped me with the tools necessary for life after college."*

**Brian Scully**



[www.cit.ie/course/CR105](http://www.cit.ie/course/CR105)  
<http://pet.cit.ie/chemeng>

## Module Information

<http://modules.cit.ie/cr105>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Chemical Engineering is ideally suited to students with ability in mathematics and science, who enjoy problem solving and aspire to well-paid, satisfying jobs at home and abroad. With 30 years experience, we have demonstrated that fulfilling, world-class, careers can be achieved by graduates.

Lectures are supplemented by laboratory sessions, project work and team exercises. The course is comprehensive, addressing sectors from heavy chemicals like oil and gas to high value products like pharmaceuticals, as well as issues like energy efficiency, waste minimisation and environmental protection, all in the context of safe and sustainable operations.

Also visit: [www.whynotchemeng.com](http://www.whynotchemeng.com) and [www.cit.ie/chemeng](http://www.cit.ie/chemeng)

## Accreditation

The BEng (Honours) in Chemical and Biopharmaceutical Engineering is accredited as an Honours Bachelors Degree with Engineers Ireland. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. The Honours Degree is also accredited by the Institution of Chemical Engineers which means that the Degree is internationally recognised and transferrable.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- MEng in Chemical and Biopharmaceutical Engineering (Taught)
- MEng (by Research)
- PhD

## Career Opportunities

With nearly 30 years of graduates, alumni may be found in North America, Australia, and the Far East, at levels from vice-president of corporations to recent hires. Many of the graduates remain in technical support roles, others develop into managerial positions as production, engineering, human resources and general managers. The 'typical' graduate is engaged in the region, in the greater Munster area, in the pharmaceutical and biopharmaceutical sector. Starting salary for chemical engineers is usually the highest of all engineers, reflecting the world-wide demand for their skills.

## Contact Information

Noel Duffy

Department of Process, Energy and Transport Engineering

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E: [noel.duffy@cit.ie](mailto:noel.duffy@cit.ie)

## Question Time

### How proficient at Mathematics should I be?

As with all engineering programmes, Mathematics is used as a tool to communicate ideas and to solve problems so you should be comfortable with Mathematics.

### Can I pursue a career in pharmaceuticals?

Many graduates pursue careers in the fine chemical, pharmaceutical and biopharmaceutical industries where they are involved with plant design, commissioning, operations and optimisation.

### Who will be teaching me?

The lecturers are Chemical Engineers and most have spent significant amounts of time working in the Process Industry, and as a result can bring real life experiences to the classroom.

### Will I have lectures where there are hundreds of other students?

CIT prides itself on the fact that all courses are taught in a small class environment (typically 30 students per class), ensuring that students have every opportunity to interact with their lecturers and succeed in their studies.

**myCIT**  
**myCareer**

**Caroline Barry**  
Senior Chemical &  
Process Engineer



Caroline worked as a Chemical and Process Engineer at Schering Plough (Brinny). "I've had brilliant opportunities to travel," she says, citing opportunities to visit the company's plants in New Jersey, Singapore, and Puerto Rico.

She has now moved to Glaxo SmithKline, Co Cork. "The best part of the job," she adds, is that "it's very challenging the whole time. You are always thinking about improving and optimising. We are trying to save money at the end of the day. You are constantly thinking from a safety point of view and an environmental point of view."

Open Day 22 & 23 November



# Sustainable Energy (Honours)

**CR 510** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Sustainable Energy

**Duration:** 4 Years (8 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 300 / Final: 300

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Sustainable Energy?

Sustainable Energy involves the understanding and application of the engineering and technological principles of energy conversion and use.

## Helpful Leaving Certificate Subjects

Mathematics, Physics, Engineering, Design and Communication Graphics, and Applied Mathematics.

## Work Placement

There is work placement for a minimum period of 10 weeks in Year 3.

## Potential Areas of Employment

- Energy Management
- Energy Systems Design
- Energy Project Management



**myCIT**  
myCourse

*"The diverse range of modules allows numerous opportunities to experience different aspects of energy engineering and the skills required in the industry."*

**Ronan Humphreys**



[www.cit.ie/course/CR510](http://www.cit.ie/course/CR510)  
<http://pet.cit.ie/see>

## Module Information

<http://modules.cit.ie/cr510>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Attention is given to component scale and systems design along with efficient management, control and measurement of energy supply systems. The first two years of the course introduce and develop the fundamental components of an engineering discipline. The third and fourth years extend the specialist nature of the course.

Regarding work placement, the student will be placed in an energy related industry, consultancy, government agency (SEI), or research group. The placement will be assessed by means of presentations, reports and research project development. There may be opportunities for students to spend this period abroad on a European exchange programme.

## Accreditation

This programme is accredited at undergraduate level by the Energy Institute which enables graduates to progress towards Chartered Engineer.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Honours Degree holders who achieve the specified level of academic performance are eligible to apply for a postgraduate course of study, both at CIT and at other third level colleges in Ireland and abroad.

## Career Opportunities

The energy sector is experiencing a skills shortage in terms of the availability of graduate engineers with knowledge and working experience of energy use, management, and planning. Positions within the energy sector include; Energy Management, Energy Systems Design, Energy Project Management, Energy Component Design, Energy Consultant Support, Systems Engineering and Power Engineering.

## Contact Information

Chris Gibbons  
Department of Process, Energy and Transport Engineering  
T: 021 433 5428  
E: [chris.gibbons@cit.ie](mailto:chris.gibbons@cit.ie)

## Question Time

### Is there a shortage of graduates in the Sustainable Energy field?

Yes. Globally there is shortage of Engineers who specialise in Energy Engineering.

### What kind of Energy Systems are available at CIT?

- 2.4kW Wind Turbine
- Wind Monitoring Masts
- Solar Thermal Collectors
- Artificial Sky Unit
- EV Charging Point
- Zero Energy Building Retrofit
- 4 Wheel Rolling Road and Engine Test Bed
- CIT/UTRC Low Energy Building Test Bed



**myCIT**  
**myCareer**

**Julie McGrath**  
Graduate Engineer



Julie completed a Level 7 Degree in Civil Engineering and transferred into Year 3 of the BEng in Sustainable Energy Degree in 2008.

She completed 6 months work placement in Chris Mee Safety Engineering which involved gaining a working knowledge of the new Standard (ISO 14064), for Greenhouse Gas Management or Carbon Footprint measurement.

Julie undertook a final year project in Wind Energy and graduated in 2010. Julie now works for Bord Gáis as a graduate engineer.

Open Day 22 & 23 November

# Building Energy Systems (Honours)

**CR 522** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Building Energy Systems

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 260 / Final: 260

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Building Energy Systems?

Building Energy Systems Engineers provide the complete energy solution for a building, whether that building is an office, a sport and leisure complex or a biomedical research facility. The complete energy solution includes determining how much energy the building requires, finding the best sources of this energy, and complying with all emissions and renewable energy regulations.

It involves the design of all the heating, ventilation, air conditioning, lighting, communications, and hot & cold water systems (to name but a few) whilst minimising energy consumption to run these systems.

This is not as easy as it sounds, because it means you need to be part building physicist (to understand how materials in a building react to heat), part mechanical engineer (to design the piping and ducting systems), part electrical engineer (to design the wiring systems), part energy analyst (to assess new low energy technology and review energy markets) and part diplomat to try and get the architects, structural engineers, the client, and equipment suppliers to buy into your designs.

## Helpful Leaving Certificate Subjects

Mathematics, Physics, Engineering, Chemistry, and English.

## Work Placement

There is work placement for a minimum period of 10 weeks in Year 3.



*"The course has improved my understanding of how to model energy use and conserve energy within a building which will play a major role in the future."*

**Patrick Cleary**



[www.cit.ie/course/CR522](http://www.cit.ie/course/CR522)  
<http://pet.cit.ie/bes>



## Module Information

<http://modules.cit.ie/cr522>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Design of new low energy buildings systems
- Retrofit of renewable energy technologies to existing buildings
- Energy analysis in buildings to reduce future energy demand
- Project Management of multi-million euro mechanical and electrical services installations

## About the Course

The aim of the programme is to provide students with the tools and skills necessary to calculate, analyse and forecast energy usage within the built environment, both for new and existing building stock, whether it be an office, a semiconductor clean room or a sports stadium.

There is a strong emphasis placed on energy and how the various energy streams within a building/facility interact. This requires rigorous thermal analysis and fluid dynamic analysis. Models are developed through the course ranging from the simplest hand calculations, to more complicated models requiring spread sheet packages and finally to commercially available state-of-the-art modelling packages.

Each academic year is split into two semesters. Modules are grouped into streams that run over the four years: Energy Demand & Analysis, Mechanical Systems Design, Electrical Systems Design, Engineering Science, IT, Projects, Mathematics, and Elective Modules.

The work placement will familiarise the student with work practices and procedures and it provides the opportunity to observe the practical application of theoretical knowledge gained on the programme. The placement is supported by a member of academic staff in CIT together with a workplace mentor. The aim of the industrial placement is to introduce the student to structured employment in a relevant work sector and to develop the student's understanding of the organisation, its procedures, and technology.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to progress to taught Masters' programmes or to research at either Master's or PhD level.

## Career Opportunities

Students develop the ability to integrate building physics, climate science, thermal comfort criteria, building services design and energy systems delivery into the design process, all underpinned by the use of sophisticated computer simulation. Engineers with these skills are always in demand to service new project design and an increasing retrofit market, as managers in every facility worldwide constantly review expenditure on primary energy and seek out new low energy technology and systems.

## Contact Information

Fergus Delaney  
Department of Process, Energy and Transport Engineering  
T: 021 433 5426  
E: [fergus.delaney@cit.ie](mailto:fergus.delaney@cit.ie)

## Question Time

### Has the course professional accreditation?

This is a new course, first run in 2010, and it has not yet been subject to accreditation by Engineers Ireland.

### Is working as a Building Energy Systems Engineer a challenging career?

Engineers charged with the design of building energy systems, lead the challenge in reducing future energy demand and CO<sub>2</sub> emissions. They are perfectly placed to provide the largest impact in energy reduction strategies. They constantly have to look beyond current legislation and standards and push the boundaries in using emerging low energy and renewable technologies.

**myCIT**  
**myCareer**

**Nazar Baker**  
Postgraduate Student



"I graduated from University of Basrah, Iraq, with a Degree in Mechanical Engineering. I came to Ireland and worked for 5 years in engineering companies involved in cooling and air conditioning.

My primary Degree and work experience allowed me to enter the final year of the BEng in Building Energy Systems. I am now undertaking a Master by Research in CIT in the area of energy reduction strategies in pharmaceutical clean room environments."

Open Day 22 & 23 November

# Building Services Engineering

## CR 072 Level 7 Award

>> Progression to Honours Degrees

▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Building Services Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 225 / Final: 225

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Building Services Engineering?

Building Services Engineering involves the design of the services that allow people to function within an enclosed structure such as an office block, a sports centre, a shopping centre, a hi-tech factory or a hospital. Building Services Engineers optimise the interaction between building fabric performance and human comfort. This requires the design of systems that can maintain an internal environment with the correct air quality, lighting levels and heating/cooling levels. All of these must be delivered in the most environmentally sustainable way. The course encompasses topics such as thermal performance of buildings, human comfort, external climate, air conditioning and ventilation design, heating systems, hot and cold water, electrical power and distribution, and renewable energy systems.

### Helpful Leaving Certificate Subjects

Mathematics, Physics, Engineering, and Chemistry.

### Potential Areas of Employment

- Assistant Design Engineer
- Site based Engineer
- Commissioning of installed systems for handover to the client
- Sales Engineer
- CAD Technician
- Estimator for Mechanical and Electrical Services



myCIT  
myCourse

*"CIT has definitely given me a good base in engineering knowledge which is going to be very beneficial in the future and in my development as a Building Services Engineer."*

Alan O'Flynn



[www.cit.ie/course/CR072](http://www.cit.ie/course/CR072)  
<http://pet.cit.ie/bes>

## Module Information

<http://modules.cit.ie/cr072>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course covers the fundamentals of Building Services Design. Students need a firm grounding in the fundamentals of engineering science before they can undertake engineering design. First year is structured to deliver these fundamentals through a range of modules such as Thermofluids, Mechanics, and Electrical Technology. It is essential that engineers can communicate their ideas and designs effectively. These practical skills are developed in the Creativity, Innovation & Teamwork module, and the Computer Aided Design (CAD) module.

In Year 2 and Year 3 students focus on the core design elements of Building Services. This typically involves the design of heating systems, ventilation systems, water systems, electrical power systems, electrical distribution systems and lighting systems. Incorporation of renewable technologies into the design is essential. A major Building Services design project in Year 3 allows the students to demonstrate their design ability as well as their project management skills.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Degree holders who achieve the specified level of academic performance are eligible to apply for entry to:

Year 4 of

→ Bachelor of Engineering (Honours) in Building Energy Systems

or the one year add-on

→ Bachelor of Science (Honours) in Process Plant Technology or Year 3 (carrying exemptions) of

→ Bachelor of Engineering (Honours) in Sustainable Energy

## Career Opportunities

Graduates can join consulting engineering companies. They are employed as an assistant engineer and are mentored by a senior engineer as they further develop their skills in the design of building services systems from concept stage to construction stage. Graduates then progress to the lead design engineer either on mechanical or electrical systems. From there they advance to engineering manager, ultimately responsible for a design team.

Graduates also join Mechanical and Electrical Contracting companies. These companies are responsible for the installation, testing, and handover of building services systems. Graduates would typically start as an assistant to a senior site engineer. They learn the project management skills necessary to run a multi-million euro project including planning a project over a year, purchasing of main plant (boilers, pumps, air handling units, transformers etc.) and solving day to day engineering problems associated with installing large piping, ducting and electrical systems, liaising with architects, structural engineers and clients. These engineers can progress quickly to Project Managers responsible for all aspects of the project (financial and technical).

Other career paths include commissioning engineering equipment design, equipment sales, and CAD technicians.

## Contact Information

Fergus Delaney

Department of Process, Energy and Transport Engineering

T: 021 433 5426

E: [fergus.delaney@cit.ie](mailto:fergus.delaney@cit.ie)

## Question Time

### Has the course professional accreditation?

The course is accredited by Engineers Ireland for membership at Associate Engineer level.

### Is this course about construction of buildings?

No, this course is about evaluating the performance of buildings and the design of the mechanical and electrical systems for buildings. There is some construction covered to enable students to evaluate the heat loss in winter and solar heat gain in summer associated with different types of wall, roofs, and glazing systems.

### What type of projects do Building Services Engineers get involved in?

Systems need to be designed for new and existing houses, new and existing commercial buildings, biomedical research and production facilities, computer chip cleanrooms, hospitals, museums, art galleries, airports etc.

### Is there much variety in the work?

Yes, projects typically last about a year. Each job has new challenges and new problems to solve.

**myCIT**  
**myCareer**

**John O'Sullivan**  
Building Services Engineer



"I graduated in 2007 as a building services engineer and was employed by one of Ireland's largest multi-discipline engineering consultancy firms, Project Management. I work in the design of heating, ventilation & air-condition systems for buildings that were located in different parts of Europe.

My typical day is always varied - today could be a site survey of an existing ventilation system or Air Handling Unit, but tomorrow could be the calculation of a heating load inside a new pharmaceutical building. With technology so advanced today, we can design/change something today in Cork, for a project in Belgium that could be installed tomorrow."

Open Day 22 & 23 November



# Transport Management & Technology

## CR 046 Level 7 Award

- >> Progression to Honours Degree & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Transport Management and Technology

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 210 / Final: 210

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Transport Management & Technology?

Motor vehicle technology and the motor industry in general have undergone dramatic changes in recent times. Technological advances have made vehicles more efficient, more environmentally friendly, and safer, whilst at the same time strict standards are being enforced by manufacturers, distributors and retailers.

The motor and transport industries require highly qualified people at supervisory and management level. This course is designed to take account of these advances and it prepares graduates for employment within such a dynamic industry.

### Helpful Leaving Certificate Subjects

Engineering, Physics, and Business.

### Potential Areas of Employment

- Motor Dealerships: Sales and After-Sales Departments
- Transport and Logistics Companies
- Motor Vehicle Distributor Organisations
- Motor Vehicle Assessors



**myCIT**  
**myCourse**

*"I think the course is suited to anyone with a genuine interest in the motor industry. The mix of practical and theory subjects really suited me."*  
**John Lyons**



[www.cit.ie/course/CR046](http://www.cit.ie/course/CR046)  
<http://pet.cit.ie/transport>

## Module Information

<http://modules.cit.ie/cr046>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course has a unique combination of theoretical and applied areas of study in conjunction with relevant business subjects. In short, the course provides the basis for a successful career within the motor and transport industries.

The course is taught through a combination of lectures, practical work and assignments related to practical aspects, e.g. motor vehicle technology, garage practice, automobile electronics, advanced diagnostics, CAD/vehicle design, etc.

Work placement is incorporated for those who progress to the Honours Degree.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Degree holders who achieve the specified level of academic performance are eligible to apply to

→ Bachelor of Science (Honours) in Transport Management

## Career Opportunities

This Degree provides varied and rewarding career opportunities in many types of enterprise throughout the industry ranging from motor dealerships to vehicle manufacturing and transport companies. Employment opportunities include supervisory, management and technical positions within sales and after-sales sectors of the motor, transport, and fleet industries. The Degree lends itself towards a career within vehicle distributors/manufacturers along with vehicle assessing. Business start-up opportunities are also possible.

## Contact Information

Clive Atkinson

Department of Process, Energy and Transport Engineering

T: 021 433 5944

E: [clive.atkinson@cit.ie](mailto:clive.atkinson@cit.ie)

## Question Time

### Can I become a motor mechanic from the course?

No, to become a motor mechanic requires registration with FÁS and completing an apprenticeship, however, some graduates have used their Degree qualification to gain exemptions from initial phases of an apprenticeship (this is at the discretion of FÁS).

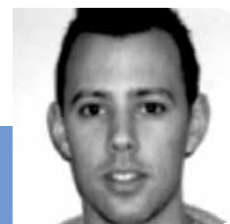
### Is there work placement in Ireland or abroad during the course?

Work placement is incorporated for those who progress to the Bachelor of Science (Honours) in Transport Management programme.



**myCIT**  
**myCareer**

**Patrick Hourihane**  
Transport Manager



"In 2010, I completed my BSc in Transport Management & Technology in CIT and I continued there to obtain my BSc (Honours) in Transport Management in 2011.

I immediately got a job with Creedon Transport. The experience I got there stood to me and I'm now a Transport Manager for Thames Materials in London, with a fleet of 40 trucks. My day involves the daily planning, routing and maintenance for all the fleet. The degree course in CIT really prepared me for all aspects of my job."

Open Day 22 & 23 November

# Good Manufacturing Practice & Technology

## Level 6 Award

>> Progression to Bachelor Degree

**Application:** Direct to CIT. Application forms are available from the Department of Process, Energy & Transport Engineering.

**Award Title:** Higher Certificate in Science in Good Manufacturing Practice & Technology

**Duration:** 17 months

**Places:** 25

### Entry Requirements

Applicants under the age of 23 must have obtained at least 5 passes at Ordinary Grade D3 in the Leaving Certificate Examinations to include English and Mathematics. Alternative Mathematics does not qualify applicants on this basis.

Applications are welcome from mature students, over 23 years of age by 1st January of year of entry. Leaving Certificate is desirable but not essential. Relevant work experience; skills gained through experiential learning; and other qualifications, will be considered when assessing applications.

### What is Good Manufacturing Practice & Technology?

Good Manufacturing Practice (GMP) is that part of quality assurance which ensures that medicinal products and medical devices are consistently produced and controlled to the quality standards appropriate to their intended use and as required by the marketing authorisation or product specification.

### Helpful Leaving Certificate Subjects

Maths, English, Chemistry, Physics, and Biology.

### Work Placement or Project

There is a 5 month work placement from June to October.

### Potential Areas of Employment

- Production
- Quality Assurance
- Validation
- Cleanroom Management



**myCIT**  
**myCourse**

*"I found the course to be hugely beneficial and it directed me to my future career in Alcon Laboratories, I found it to be very applicable in the workplace."*

**Justin Twohig**



[www.cit.ie/course/CRSGMPR6Y1](http://www.cit.ie/course/CRSGMPR6Y1)  
<http://pet.cit.ie/gmp>



## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

### About the Course

This course emphasises Good Manufacturing Practice (GMP) & Technology targeting the Pharmaceutical, Biopharmaceutical and Medical Devices manufacturing sectors. The principal aim of this course is to provide a nationally accredited educational programme in Good Manufacturing Practice and Technology for people keen to work in production, quality assurance or validation roles within leading Pharmaceutical/Biopharmaceutical and Medical Devices manufacturing companies.

The course is delivered by lectures and laboratory practicals, with site visits incorporated into each semester's delivery. Modules are assessed by continuous assessment and end of semester exams. Seven of the modules are assessed entirely by continuous assessment.

The placement programme will familiarise the student with work practices and procedures and provide him/her with the opportunity to observe the practical application of theoretical knowledge gained on his/her programme. The placement is supported by a member of academic staff in CIT together with a workplace mentor. The aim of the industrial placement is to introduce the learner to structured employment in a relevant work sector and to develop in the learner an understanding of the organisation, its procedures and technology.

The project affords the student an opportunity to apply his/her learning from the course in a practical situation.

### Cost

Student services, registration and examination fees may apply, depending on circumstances of the student. No tuition fees are payable except by certain categories of student.

**Note:** The Free Fees Initiative administered by Student Universal Support Ireland (SUSI) is available for eligible students. The course is also recognised under the Back to Education Allowance Scheme which in certain circumstances permits those participants in receipt of social welfare payments to retain these payments while completing the course.

### Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Graduates holding the Higher Certificate in Science in Good Manufacturing Practice & Technology, or equivalent, are eligible to apply to the part-time add-on Degree in

→ Bachelor of Science in Good Manufacturing Practice & Technology

### Contact Information

Elaine Burke  
Department of Process, Energy and Transport Engineering  
T: 021 433 5150  
E: [elaine.burke@cit.ie](mailto:elaine.burke@cit.ie)

### Question Time

**I have some previous experience with the Pharmaceutical industry, can I apply for an exemption from some modules?**

Applicants who have appropriate experience and knowledge of the Pharmaceutical, Biopharmaceutical or Medical Devices industries may be considered exempt from examination of some modules upon providing evidence via the Recognition of Prior Learning (RPL) scheme of the Institute, see [www.cit.ie/rpl](http://www.cit.ie/rpl).

**Will I be able for the academic requirements of the course?**

CIT offers a wide range of supports for students to enable them to be successful in their studies.

**Does this course have a high mature student intake?**

The course mainly attracts mature students from a wide variety of backgrounds.

**Should I have studied science in secondary school before taking this programme?**

No, while it is helpful, you can take the programme and be successful without having studied science to Leaving Certificate. Do expect to have coursework to complete after lectures in the evenings.

**myCIT**  
**myCareer**

**Michael McEvoy**  
Production Support



The course is designed to give students the best opportunity to prepare for industry with lots of lab practicals, team projects, and plant tours.

My work placement was with Janssen Biologics where I acquired great knowledge and experience. After graduation, I returned to the company in a production support role.

I am currently studying for a BSc in Good Manufacturing Practice & Technology on a part-time basis.

Open Day 22 & 23 November

# Mechanical Engineering (Honours)

## CR 108 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Mechanical Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012: Round 1:** 340 / **Final:** 340

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	C3 (H) or (Note 1)	D3 (O/H)

**Note 1:** The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.

### What is Mechanical Engineering?

Mechanical Engineering involves the design, manufacture and operation of products that have motion or have internal moving parts. This ranges from the design and manufacture of high performance engines, machines with atomic level precision to aircraft, wind turbines, major power plants and process equipment to the construction, commissioning and maintenance of industrial, chemical, pharmaceutical and food processing plants.

### Helpful Leaving Certificate Subjects

Mathematics, Physics, Applied Mathematics, Engineering, and Chemistry.

### Work Placement or Project

Formal work placement (minimum of ten weeks) is an integral element of the course and takes place in Year 3.

### Potential Areas of Employment

- Mechanical Design
- Medical Devices
- Manufacturing and Precision Engineering
- Process Plant
- Aerospace
- Project Engineering
- Offshore Oil and Gas



**myCIT**  
**myCourse**

*"If you are willing to put in the effort and time, the benefits are endless due to the range of skills and diversity of job opportunities available. The majority of my class has secured prestigious graduate positions well in advance of our final examinations."* **Martin Evans**



[www.cit.ie/course/CR108](http://www.cit.ie/course/CR108)

## Module Information

<http://modules.cit.ie/cr108>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Design and project work is a major feature of the course. The Innovative Project Development modules in Year 3 enable students, working in teams, to bring a concept from the idea stage through to a finished prototype, considering the technical performance and commercial potential of their designs. In the final year, each student undertakes an individual project involving research, design, prototype development and experimental verification to meet a real need.

Honours Degree graduates generally gain employment as mechanical, design, manufacturing, production, process, plant, project or maintenance technologists/engineers. They work in fields such as aerospace, automotive, computer and electronic manufacture, machine and plant design, power generation, engine design, contracting and consulting.

Students have the option of work placement in industry in Ireland or abroad or in a research laboratory in Ireland or with one of our partner institutions abroad (France, Germany, Italy, UK, etc.).

## Accreditation

This BEng (Honours) course in Mechanical Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.

- MEng in Mechanical Engineering (Taught)
- MEng (by Research)
- PhD

## Career Opportunities

Mechanical Engineering is a broad-based discipline offering career opportunities in design, manufacturing, technical support in a wide range of industries including oil/gas, power generation, plant construction, medical devices, aerospace and automotive. Many mechanical engineers also progress into general management roles where their analytical skills are greatly valued.

## Contact Information

Dr Lorraine Howard  
Department of Mechanical, Biomedical  
and Manufacturing Engineering  
T: 021 433 5423  
E: [lorraine.howard@cit.ie](mailto:lorraine.howard@cit.ie)

## Question Time

### What level of design is involved with Mechanical Engineering?

Design is the main focus of the programme and utilises all the modern computer-aided design tools for 3D solid modelling, stress analysis, system simulation etc.

### Can I progress to further studies?

Yes, many graduates have progressed to Masters (Taught) and to PhD research either in CIT or in other institutions in Ireland and across the world.

### Has the Course professional accreditation?

Yes, see detailed information in column 1.

### Are there opportunities to travel?

Undergraduates have the opportunity to travel as part of the Work Placement module in Year 3. Graduates from the programme are employed across the world. Though many graduates are based in Ireland their work involves travel to and communication with people and companies across the globe.

### Are there any events I should attend to learn more about Mechanical Engineering?

CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition every April. Please see [www.cit.ie](http://www.cit.ie) for details.

**myCIT**  
**myCareer**

**Connor Barry**  
Mechanical Engineer



Connor graduated with an Honours Mechanical Engineering Degree and was recruited by Abbott Ireland onto their Professional Development Programme (PDP). This programme identifies the highest performing graduates with leadership potential and provides participants an opportunity to apply their skills in different areas and divisions throughout Abbott during four rotations over a two year period.

Connor is presently based in Columbus (Ohio). In April 2012, Connor received the award of Graduate Employee of the Year at the GradIreland Awards.

Open Day 22 & 23 November



# Mechanical Engineering

## CR 071 Level 7 Award

- >> Progression to Honours Degrees & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Mechanical Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 80

**CAO Points in 2012: Round 1:** 255 / **Final:** 255

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Mechanical Engineering?

Mechanical Engineers play a crucial role in a wide range of industries, among them air, rail, sea and road. They are involved in high precision processes such as the design and manufacture of prosthetic devices and robotic mechanisms. The physical scale of their work ranges from nanoscale motors and pumps through to high speed trains, wind turbines, and rocket/vehicles for space exploration. Mechanical Engineering enables students to learn how to systematically design essential machine elements and using three dimensional computer aided design modelling software, to display and test these models.

### Helpful Leaving Certificate Subjects

Mathematics, Physics, Applied Mathematics, Engineering, and Chemistry.

### Potential Areas of Employment

- Design Technician/Engineer
- Plant Inspector/Quality Manager
- Manufacturing Technician/Engineer
- Technical Sales Engineer

**myCIT**  
**myCourse**

*"A good portion of the course is practical which allows a nice balance with the more academic aspects. The modules complement each other building on a fundamental understanding year on year."*

**Mark Cummins**



[www.cit.ie/course/CR071](http://www.cit.ie/course/CR071)

## Module Information

<http://modules.cit.ie/cr071>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course has a strong emphasis on the practical side of mechanical engineering, exposing the student to many “hands on” modules in workshops and laboratories. Modules on the course are grouped into streams that run over the three years: Workshop Practice, Mechatronics, Mechanical Design and Computer Aided Engineering, Mechanics, Thermofluids, Materials, Management, Projects, Mathematics and Elective Options. Graduates are prepared to progress to further study or to take up challenging and varied careers in industry.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to: the one year add-on

→ Bachelor of Science (Honours) in Process Plant Technology

or

→ Bachelor of Science (Honours) in Advanced Manufacturing Technology

A limited number of candidates may also be considered for entry to:

Year 3 (which necessitates two further years of study) of

→ Bachelor of Engineering (Honours) in Mechanical Engineering

or

→ Bachelor of Engineering (Honours) in Sustainable Energy

## Career Opportunities

Mechanical Engineering is a discipline of Engineering that applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools.

Employment opportunities are in the high-tech manufacturing industries at technician engineer level dealing with design, production, manufacturing, quality, estimating, planning and the operation and maintenance of high-tech automated manufacturing equipment. Other opportunities are in technical and sales support with contracting, consulting engineers, and servicing companies.

## Contact Information

Bernard O'Callaghan

Department of Mechanical, Biomedical and Manufacturing Engineering

T: 021 433 5424

E: [bernard.ocallaghan@cit.ie](mailto:bernard.ocallaghan@cit.ie)

## Question Time

### What level of design is involved with Mechanical Engineering?

Design is a central theme of the programme and students use the latest 3D modeling software to develop and communicate their ideas.

### Has the course professional accreditation?

This course in Mechanical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

### Is there much practical work on the course?

Students get hands-on practice in mechanical workshop, welding, computer-aided design, mechatronics, and also have the option of selecting elective modules in automotive engineering. The course is designed to give an overall balance between practical activities and theory.

### Are there any events I should attend to learn more about Mechanical Engineering?

CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition every April, the largest exhibition of its kind in Ireland. Please see [www.cit.ie](http://www.cit.ie) for details.

**myCIT**  
**myCareer**

**Graham Canty**  
Mechanical Engineer



Graham graduated with a Level 7 Mechanical Engineering Degree and progressed to an Honours Degree in Mechanical Engineering. He now works for Bord Gáis as a Mechanical Engineer.

Graham managed to merge a very successful academic career with an inspired sporting career. He played Sigerson Football with CIT, U21 and Senior Championship with Cork and captained Ireland on a tour of Australia in the International Rules. He also captained Cork to the Senior All-Ireland Football Championship in 2010.

Open Day 22 & 23 November

# Biomedical Engineering (Honours)

## CR 520 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Biomedical Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 10

**CAO Points in 2012: Round 1:** 390 / **Final:** 390

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	C3 (H) or (Note 1)	D3 (O/H)

**Note 1:** The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.

### What is Biomedical Engineering?

Biomedical Engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. The medical device sector in Ireland is very strong; there are 250 medical technology companies in Ireland, exporting €7.2b worth of product annually and employing 25,000 people (figures from the Irish Medical Device Association). Products include prosthetic devices to provide the disabled with tools to improve their quality of life, disposable plastic and wound care products, and precision implants including pacemakers, microelectronic devices, orthopaedic implants, diagnostics, contact lenses and stents. In the clinical context, biomedical engineers play a key role in designing, sourcing and maintaining equipment, facilities and services within hospitals.

### Helpful Leaving Certificate Subjects

Mathematics, Physics, Biology, and Engineering.

### Work Placement

Formal work placement (minimum of ten weeks) is an integral element of the course and takes place in Year 3.

### Potential Areas of Employment

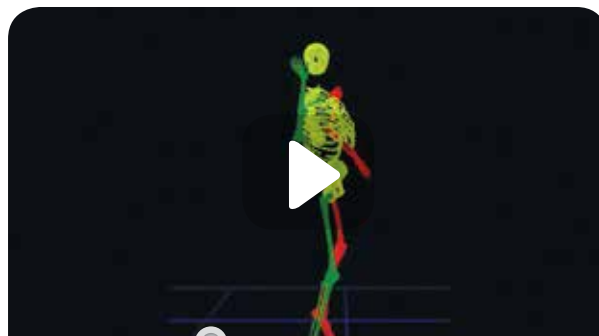
- Biomedical Device Design and Manufacture
- Research & Development
- Engineering Support within Clinical Environments



**myCIT**  
**myCourse**

*"Students get experience in Design, Manufacturing, Anatomy, and many more areas. Work placement showed me how interesting and fulfilling a career it is, while at the same time I am helping to improve the lives of patients."*

**Alan O'Reilly**



[www.cit.ie/course/CR520](http://www.cit.ie/course/CR520) and [www.cit.ie/bioeng](http://www.cit.ie/bioeng)



## Module Information

<http://modules.cit.ie/cr520>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course covers topics from the design and development of artificial joints, to equipment for medical diagnosis and treatment, to the implanting of biomaterials or biomedical devices in the human body. Biomedical Engineers are therefore required at all stages from product design, to product manufacture, to technical support and interfacing with medical users in clinical environments. It uses engineering principles to understand and control biological systems and therefore also requires a working knowledge of physiology, anatomy, and biological science.

This course integrates the study of biological systems, biomedical devices and clinical engineering with traditional mechanical, electrical and manufacturing engineering. Projects are carried out in conjunction with industry, with medical practitioners, and with the Biomedical Engineering unit of Cork University Hospital.

## Further Studies

For details, see [www.cit.ie/bioeng](http://www.cit.ie/bioeng) and [www.medic.ie](http://www.medic.ie)

Suitably qualified graduates are eligible to progress to the taught Masters' programmes or to research at either Master's or PhD level. CIT has also set up the Medical Engineering Design and Innovation Centre (MEDIC) as a vehicle for Biomedical Device research.

## Career Opportunities

Graduates can look forward to careers in the medical device industry, in the design and manufacture of medical devices, in research roles within industry or in academic research. Graduates can also enter the hospital or clinical environment to work as clinical engineers.

## Contact Information

Dr Keith Bryan  
Department of Mechanical, Biomedical and Manufacturing Engineering  
T: 021 433 5423  
E: [keith.bryan@cit.ie](mailto:keith.bryan@cit.ie)  
W: [www.cit.ie/bioeng](http://www.cit.ie/bioeng)

## Question Time

### What is the difference between Biomedical Science and Biomedical Engineering?

Biomedical Engineering combines engineering principles with an appreciation of the functioning of the human body, whether healthy, injured or diseased in order to design and manufacture products or provide technical support. Biomedical engineers can work in hospitals, in manufacturing plants and in research and development environment.

Biomedical scientists investigate into samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients therefore, it is largely laboratory based.

## What does a Biomedical Engineer produce?

Solutions to problems! Design of devices, instrumentation or processes in a clinical, manufacturing or research environment.

## Is there a scholarship available for the course?

Yes. The CIT-DePuy scholarship was launched in 2012 and is worth €2,250 per year for the successful candidate. DePuy (a Johnson & Johnson company) is a major multi-national employer in the Cork region, manufacturing artificial joints in Ringaskiddy in Cork. DePuy's support for the scholarship is a major endorsement of the relevance of the course to the biomedical industry.

## Has the course professional accreditation?

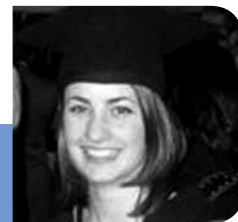
This BEng (Honours) course in Biomedical Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

## Are there any events I should attend to learn more about Biomedical Engineering?

CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, it is the largest exhibition of its kind in Ireland. Please see [www.cit.ie](http://www.cit.ie) for details.

**myCIT**  
**myCareer**

**Lucy O'Sullivan**  
Biomedical Engineer



"After graduation, I spent six months on a graduate internship with Teleflex (a worldwide biomedical company) in both Athlone and Malaysia, three months each in the Quality department and in R&D.

When I returned, I was employed by DePuy Ireland in its manufacturing plant in Ringaskiddy, Cork. I work on the quality aspects of products being transferred into the Cork plant from DePuy plants in other countries."

Open Day 22 & 23 November

# Biomedical Engineering

## CR 075 Level 7 Award

- >> Progression to Honours Degree & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Biomedical Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 280 / Final: 280

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Biomedical Engineering?

Biomedical Engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. In the clinical context, biomedical engineers play a key role in designing, sourcing and maintaining equipment, facilities and services within hospitals. Products include prosthetic devices to provide the disabled with tools to improve their quality of life, disposable plastic and wound care products, and precision metal implants including pacemakers, microelectronic devices, orthopaedic implants, diagnostics, contact lenses and stents.

### Helpful Leaving Certificate Subjects

Mathematics, Physics, Biology, and Engineering.

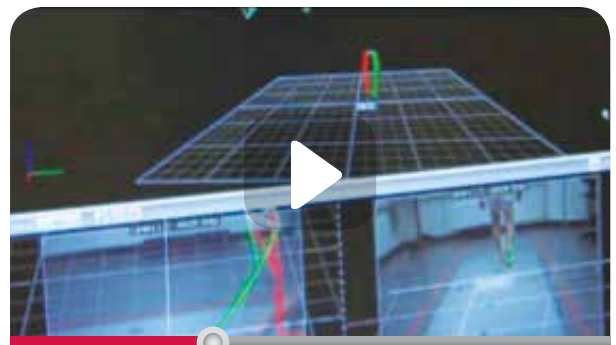
### Potential Areas of Employment

- Biomedical Device Design and Manufacturing
- Clinical Environment
- Research & Development



**myCIT**  
**myCourse**

*"It is a really interesting course that covers a wide variety of subjects, a lot of which incorporate practical applications. Lecturers are enthusiastic and are genuinely interested in their students which allows students reach their full potential". Aisling O'Shea*



[www.cit.ie/course/CR075](http://www.cit.ie/course/CR075) and [www.cit.ie/bioeng](http://www.cit.ie/bioeng)

## Module Information

<http://modules.cit.ie/cr075>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course is delivered through formal lectures, tutorials, practical and project work. There are a number of dedicated Biomedical Engineering laboratories containing leading edge technology. These facilitate teaching and research both at undergraduate and postgraduate level and include:

- Gait Analysis Lab
- Biomaterial Lab
- Hurley Helmet Testing Rig
- Instron Dynamic Testing Machine
- Non-Contact 3D Light Scanner
- Rapid Prototyping Machine

Projects are carried out in conjunction with industry, with medical practitioners and with the Biomedical Engineering Unit of Cork University Hospital.

## Further Studies

For details, see [www.cit.ie/bioeng](http://www.cit.ie/bioeng)

Subject to availability of places, suitably qualified graduates may apply to Year 3 of

→ Bachelor of Engineering (Honours) in Biomedical Engineering

or the one year add-on

→ Bachelor of Science (Honours) in Advanced Manufacturing Technology

## Career Opportunities

Graduates will be qualified to work as biomedical engineering technologists within the healthcare, medical device industries, in research and development facilities, and also in clinical/hospital environments.

## Contact Information

Dr Hugh O'Donnell  
Department of Mechanical, Biomedical and Manufacturing Engineering  
T: +353 21 433 5949  
E: [hugh.odonnell@cit.ie](mailto:hugh.odonnell@cit.ie)  
W: [www.cit.ie/bioeng](http://www.cit.ie/bioeng)

## Question Time

### What does a Biomedical Engineer produce?

Medical devices, instrumentation, or processes in a clinical or manufacturing environment.

### What is the difference between Biomedical Science and Biomedical Engineering?

Biomedical Engineering combines engineering principles with an appreciation of the functioning of the human body, whether healthy, injured or diseased in order to design and manufacture products or provide technical support. Biomedical engineers can work in hospitals, in manufacturing plants and in research and development environment.

Biomedical scientists investigate into samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients therefore, it is largely laboratory based.

### Has the course professional accreditation?

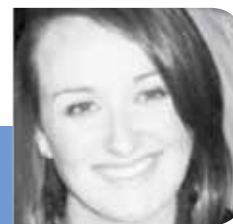
This course in Biomedical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

### Are there any events I should attend to learn more about Biomedical Engineering?

CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, it is the largest exhibition of its kind in Ireland. Please see [www.cit.ie](http://www.cit.ie) for details.

**myCIT**  
**myCareer**

**Denise Cronnelly**  
Quality Engineer



Denise undertook a MEng in Biomedical Engineering before commencing employment as a Quality Engineer with Boston Scientific in Clonmel where it manufactures implantable pacemakers and defibrillators.

Denise's role as a Quality Engineer is varied and encompasses elements such as process optimisation, equipment validation, and aspects of regulatory compliance.

Open Day 22 & 23 November



# Electronic Systems Engineering (Honours)

## CR 590 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Electronic Systems Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 40 (between CR 590 and CR 061)

**CAO Points in 2012: Round 1:** 330 / **Final:** 330

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Electronic Systems Engineering?

Small, lightweight, portable devices like Smartphones and tablets combine wireless technology with processing power to provide internet, communications and leisure functionality while on the move. They are now driving how we live, work and play. Combining low power consumption with microchip design, telecommunication and control circuitry (hardware) and the operating system software, they are the ultimate electronic system. CIT's CR 590 programme is designed to equip engineers to work at this level.

### Helpful Leaving Certificate Subjects

Engineering, Physics.

### Potential Areas of Employment

- Test/Development/Design in Electronic Systems
- Telecomms Network Software/Hardware Design/Support
- IT Software Development
- R & D in Product Development



myCIT  
myCourse

*"The course provided me with the knowledge and experience I need to tackle today's job markets."*

**Stephen Kelleher**



[www.cit.ie/course/CR590](http://www.cit.ie/course/CR590) and <http://e-eng.cit.ie>

## Module Information

<http://modules.cit.ie/cr590>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Electronic systems are used for the collection, processing and transmission of information. From the most sophisticated machines in industry, to cars, to household appliances and to personal items, all have the same thing in common: they are “intelligent”. On a printed circuit board (PCB), surrounded by analogue and digital circuitry, there is a microprocessor, or maybe several, which has a clock (heartbeat). On every cycle the microprocessor executes an instruction from whatever programming it is running (software) – this ability is what makes the system intelligent. Intelligence, control and communications, theory and practice, form the core material of this course.

## Further Studies

For details see <http://e-eng.cit.ie>

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- MEng in Embedded Systems Engineering (Taught)
- MEng (by Research)
- PhD

## Career Opportunities

In its report of January 2012, the Irish Government Expert Group on Future Skills Needs (EGRSN) states that the country will increasingly depend in all areas on Information Communications Technology (ICT) graduates. Nationally, 75,000 people are employed in 8,000 ICT companies. The CIT Electronic Systems Engineer skillset creates access to many ICT sector job opportunities. Technical know-how, ability to problem solve, and to learn independently makes the graduate highly versatile and highly marketable. For a snapshot of ICT in the greater Cork area, visit [www.ceia.ie](http://www.ceia.ie).



## Contact Information

Dr Tom O'Mahony  
Department of Electrical & Electronic Engineering  
T: 021 433 5985  
E: [tom.omahony@cit.ie](mailto:tom.omahony@cit.ie)

## Question Time

### What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.

### Can you give me examples of the type of work I will be able to do?

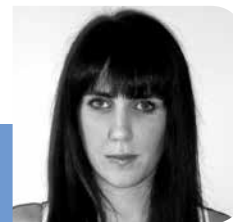
Test, develop, design electronic circuits or microchips (hardware), write programmes (software) for products, computer packages, games, mobile phone networks, provide technical support for products.

### Will I be working in a factory?

The majority of electronic engineers work in nice offices! A huge amount of work is actually done on computers. But if it's hardware then it will need building and testing in a lab. Mostly, the product will then be outsourced to cheaper parts of the world for manufacture.

**myCIT**  
**myCareer**

**Ciara Murphy**  
Transmission Engineer



“After graduation, I worked with Surecom Network Solutions in Dublin. My projects include planning radio links in the UK and planning sites in Australia to support their telecoms network.

The work involves equipment specification, installation and operation. On other projects, I have worked in conjunction with O<sub>2</sub> and Vodafone.

It is very interesting and I have already gained so much experience. My Degree was a great foundation in many ways.”

Open Day 22 & 23 November

# Electronic Engineering

## CR 061 Level 7 Award

- >> Progression to Honours Degree & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Electronic Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 40 (between CR 061 and CR 590)

**CAO Points in 2012: Round 1:** 230 / **Final:** 230

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Electronic Engineering?

Small, lightweight, portable devices like Smartphones and tablets combine wireless technology with processing power to provide internet, communications and leisure functionality while on the move. They are now driving how we live, work and play. Combining low power consumption with microchip design, telecommunication and control circuitry (hardware) and the operating system software, they are the ultimate electronic system. CIT's CR 061 course is designed to equip technologists to work at this level.

### Helpful Leaving Certificate Subjects

Engineering, Physics.

### Potential Areas of Employment

- Test/Development in Electronic Systems
- Telecomms Network Software/Hardware Service/Support
- IT Software Development
- Product Development



**myCIT**  
**myCourse**

*"I returned to college as a mature student and I was really impressed with the CR 061 course and in particular the lecturers are very friendly and always willing to help you out."*

**Anthony Moffat**



[www.cit.ie/course/CR061](http://www.cit.ie/course/CR061) and <http://e-eng.cit.ie>



## Module Information

<http://modules.cit.ie/cr061>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Electronic systems are used for the collection, processing, and transmission of information. From the most sophisticated machines in industry, to cars, to household appliances, to personal items, all have the same thing in common: they are “intelligent”. On a printed circuit board (PCB), surrounded by analogue and digital circuitry, there is a microprocessor, or maybe several, which has a clock (heartbeat). On every cycle the microprocessor executes an instruction from whatever programming it is running (software) – this ability is what makes the system intelligent. Intelligence, control and communications, theory and practice form the core material of this course.

## Further Studies

For details, see <http://e-eng.cit.ie>

Suitably qualified graduates are eligible to apply for entry to Year 4 (final) of

→ Bachelor of Engineering (Honours) in Electronic Systems Engineering

## Career Opportunities

In its report of January 2012, the Irish Government Expert Group on Future Skills Needs (EGRSN) states that the country will increasingly depend on Information Communications Technology (ICT) graduates in all areas. Nationally, 75,000 people are employed in 8,000 ICT companies. The CIT Level 7 Electronic Engineering skillset creates access to many ICT sector job opportunities. Technical know-how and practical ability makes the graduate highly versatile and highly marketable. For a snapshot of ICT in the greater Cork area, visit [www.ceia.ie](http://www.ceia.ie).

## Contact Information

Michael O’Gorman  
Department of Electrical & Electronic Engineering  
T: 021 433 5473  
E: [michael.ogorman@cit.ie](mailto:michael.ogorman@cit.ie)

## Question Time

### What is the difference between Electronic Engineering and Electrical Engineering?

Electronic Engineering is small scale, low voltage, component level, microchips and programming.

Electrical Engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

### Has the course professional accreditation?

The Level 7 in Electronic Engineering has been accredited by Engineers Ireland for Associate membership in the past and that application is up for renewal again soon.

### What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.



**myCIT**  
**myCareer**

**Seán O’Sullivan**  
Product Support



“I graduated in 2011 with a Level 7 Degree and I am currently working in the iOS department of Apple Inc. My job is providing technical support for iPods, iPads and iPhones. It is a great place to work and the salary is excellent.

I am working very much in the area that I studied and it has equipped me very well. I can thoroughly recommend the BEng in Electronic Engineering.”

Open Day 22 & 23 November

# Electrical Power Systems (Honours)

**CR 580** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Engineering (Honours) in Electrical Power Systems

**Duration:** 4 Years (8 Semesters)

**Places:** 40 (between CR 580 & CR 062)

**CAO Points in 2012:** Round 1: 305 / Final: 305

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Electrical Power Systems?

Providing electrical power in a modern economy is about generation, distribution and usage in a safe, economic and sustainable way. Fossil fuel energy now combines with solar, wind and tidal energy to create “embedded” generation which needs a “smart grid” to automatically switch users and suppliers in and out while maintaining the quality of the supply. CIT’s Electrical Power Systems course is designed to equip engineers for this environment.

## Helpful Leaving Certificate Subjects

Engineering, Physics.

## Potential Areas of Employment

- Energy Generation/Transmission
- Building Supply/Installation/Services/Maintenance
- Consultancy/Contract Management
- Process/Automation Industry



**myCIT**  
**myCourse**

*“The Electrical Power Systems Degree course provides you with the technical, practical, and communication skills required to be a successful electrical engineer.”*

**Shane Kiely**



[www.cit.ie/course/CR580](http://www.cit.ie/course/CR580) and <http://e-eng.cit.ie>

## Module Information

<http://modules.cit.ie/cr580>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The general fields of study are Renewable Generation, Transmission and Distribution, Plant Automation, Motor Control, Power Systems Planning and Industrial Management and Services. The syllabus is designed to prepare graduates for work in electrical power and automation systems. The high academic standard of the course is complemented by a strong emphasis on applications and project work. State-of-the-art lab equipment and software prepares graduates for the work environment. Class work is supplemented by field trips to major employers within the greater locality.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.

- MEng (by Research)
- PhD

## Career Opportunities

Graduates will have acquired both the knowledge and the competence to work as engineers in generation and distribution of electrical energy, in the control of automated production systems, with particular emphasis on power drives and aspects of robotic control, in the design and maintenance of Combined Heat and Power (CHP) units and in embedded generation systems. Also design/application/maintenance of renewable sources of electrical energy such as wind energy and fuel cells. Graduates can expect to find employment in the energy generation, transmission and grid control section of the market, directly or through consultancy, plus in the area of automation as utilised in modern processes.



## Contact Information

Sreto Boljevic  
Department of Electrical & Electronic Engineering  
T: 021 433 5469  
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## Question Time

### Can I become an electrician?

An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to work at design/development level and then to liaise with skilled trades for implementation.

### What is the difference between Electronic Engineering and Electrical Engineering?

Electronic Engineering is small scale, low voltage, component level, microchips and programming.

Electrical Engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

### What elements of renewable energy are covered in the course?

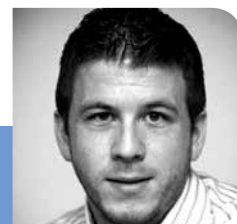
Modules dealing with all current renewable areas are dealt with on a mandatory basis because of their relevance. There is also an opportunity to explore these areas further through elective modules.

### What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.

**myCIT**  
**myCareer**

**Stephen Tracey**  
Power Engineer



"After graduation, I joined ESB Networks on a 3 year graduate engineer programme. I spent the first year on network data analysis and software design and the second year on Health & Safety IT Development, during which I attended UCD to complete a Diploma in Health & Safety in the workplace.

Currently, in Year 3, I am with ESB International designing and upgrading High Voltage Substations. The work is highly challenging and interesting and my studies prepared me well for it."

Open Day 22 & 23 November



# Electrical Engineering

## CR 062 Level 7 Award

- >> Progression to Honours Degree & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Engineering in Electrical Engineering

**Duration:** 3 Years (6 Semesters)

**Places:** 40 (between CR 062 and CR 580)

**CAO Points in 2012: Round 1:** 240 / **Final:** 240

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Electrical Engineering?

Providing electrical power in a modern economy is about generation, distribution and usage in a safe, economic and sustainable way. Fossil fuel energy now combines with solar, wind and tidal energy to create “embedded” generation which needs a “smart grid” to automatically switch users and suppliers in and out while maintaining the quality of the supply. CIT’s Electrical Engineering course is designed to equip technologists for this environment.

### Helpful Leaving Certificate Subjects

Engineering, Physics.

### Potential Areas of Employment

- Energy Generation/Transmission
- Building Supply/Installation/Services/Maintenance
- Commissioning
- Process/Automation Industry



**myCIT**  
**myCourse**

*“CIT is a great place to study. Many of the lecturers have worked in industry and can convey real world skills through lectures, labs, and projects. They are very approachable if you have questions.”*

**Eoin Hennebery**



[www.cit.ie/course/CR062](http://www.cit.ie/course/CR062) and <http://e-eng.cit.ie>

## Module Information

<http://modules.cit.ie/cr062>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The general fields of study are Renewable Generation, Transmission and Distribution, Plant Automation, Motor Control, Power Systems Planning, and Industrial Management and Services. The syllabus is designed to prepare graduates for work in electrical power and automation systems. The high academic standard of the course is complemented by a strong emphasis on applications and project work. State-of-the-art lab equipment and software prepares graduates for the work environment. Class work is supplemented by field trips to major employers within the greater locality.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to Year 4 (final) of

→ Bachelor of Engineering (Honours) in Electrical Power Systems

## Career Opportunities

Graduates will have acquired both the knowledge and the competence to work in generation and distribution of electrical energy, in the control of automated production systems with particular emphasis on power drives and aspects of robotic control, in the maintenance of Combined Heat and Power (CHP) and in embedded generation systems. Graduates will also have acquired the competence to work in the application and maintenance of renewable sources of electrical energy such as wind energy and fuel cells. Graduates can expect to find employment in the energy generation, transmission and grid control section of the market plus in the area of automation as utilised in modern processes.

## Contact Information

Noel Mulcahy  
Department of Electrical & Electronic Engineering  
T: 021 433 5470  
E: [noel.mulcahy@cit.ie](mailto:noel.mulcahy@cit.ie)



## Question Time

### What is the difference between Electronic Engineering and Electrical Engineering?

Electronic Engineering is small scale, low voltage, component level, microchips and programming. Electrical Engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

### Has the course professional accreditation?

The Level 7 in Electrical Engineering is accredited by Engineers Ireland for Associate membership.

### Can I become an electrician?

An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to deal with projects at design/development level and when approved/agreed, the work is implemented by skilled trades.

### What elements of renewable energy are covered in the course?

Modules dealing with current renewable areas are dealt with on a mandatory basis because of their relevance. There is also an opportunity to explore these areas further through elective modules.

### What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.

**myCIT**  
**myCareer**

**Harry O'Farrell**  
Energy Consultant



"I completed my Level 7 in 2009 and Level 8 in 2010. I then joined Energy Services Ltd. in Cork who are energy consultants specialising in energy procurement, supply/demand side management internationally.

My projects so far include embedded generation, power transmission/distribution, including wind farms, and consumption monitoring and assessment at home, in Europe and as far away as Central Asia. My training as an electrician plus my undergraduate programmes have prepared me well for this work. Power/electrical engineering is an excellent career and there is significant demand for it."

Open Day 22 & 23 November

# Engineering MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Certificate Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points L.C. 2012	No. of Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	MINIMUM ENTRY REQUIREMENTS			INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT		
CR 500	Engineering (Common Entry)	57	Honours Bachelor Degrees			30	345	310	6	2	D3 (H) or A2 (O)	D3 (O/H)				Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 109	Structural Engineering	59	Honours Bachelor Degree	4		20	(Ref. 15)	(Ref. 15)	6	2	C3 (H) or (Ref. 3)	D3 (O/H)						
CR 051	Civil Engineering	61	Bachelor Degree	3	✓ (Ref. 1)	40	225	225	5	0	D3 (O/H)	D3 (O/H)				✓		✓
CR 055	Environmental Engineering	63	Bachelor Degree	3		20	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 13)	
CR 570	Quantity Surveying	67	Honours Bachelor Degree	4		20	280	280	6	2	D3 (O/H)	D3 (O/H)						✓
CR 572	Construction Management	65	Honours Bachelor Degree	4		20	255	255	6	2	D3 (O/H)	D3 (O/H)						✓
CR 052	Construction	69	Bachelor Degrees	3	✓ (Ref. 1)	40	200	200	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 4/5)	✓
CK 606	Architecture (CIT & UCC Joint Course) (Ref. 6)	71	Honours Bachelor Degree	4		45	400	400	6	2	D3 (O/H)	D3 (O/H) in both Irish & English						✓
CR 560	Architectural Technology	73	Honours Bachelor Degree	4		36-40*	290	285	6	2	D3 (O/H)	D3 (O/H)						✓
CR 090	Architectural Technology	75	Bachelor Degree	3		36-40*	260	230	5	0	D3 (O/H)	D3 (O/H)				✓		✓
CR 565	Interior Architecture	77	Honours Bachelor Degree	4		40**	280	280	6	2	D3 (O/H)	D3 (O/H)						✓
CR 053	Interior Architecture	79	Bachelor Degree	3		40**	220	220	5	0	D3 (O/H)	D3 (O/H)				✓		✓
CR 077	Craft Technology (Wood) with Business	81	Bachelor Degree	3		20	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)				✓		
CR 078	Craft Technology - Mechanical Services	83	Bachelor Degree	3		40	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)				✓		
CR 105	Chemical & Biopharmaceutical Engineering	85	Honours Bachelor Degree	4		20	335	335	6	2	C3 (H) or (Ref. 3)	D3 (O/H)						✓
CR 590	Electronic Systems Engineering	105	Honours Bachelor Degree	4		40***	330	330	6	2	D3 (O/H)	D3 (O/H)						✓
CR 061	Electronic Engineering	107	Bachelor Degree	3	✓ (Ref. 1)	40***	230	230	5	0	D3 (O/H)	D3 (O/H)				✓		✓
CR 062	Electrical Engineering	111	Bachelor Degree	3	✓ (Ref. 1)	40***	240	240	5	0	D3 (O/H)	D3 (O/H)				✓		✓
CR 580	Electrical Power Systems	109	Honours Bachelor Degree	4		40***	305	305	6	2	D3 (O/H)	D3 (O/H)						✓
CR 108	Mechanical Engineering	97	Honours Bachelor Degree	4		20	340	340	6	2	C3 (H) or (Ref. 3)	D3 (O/H)						✓
CR 071	Mechanical Engineering	99	Bachelor Degree	3	✓ (Ref. 1)	80	255	255	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 7/8/9/10)	✓
CR 510	Sustainable Energy	87	Honours Bachelor Degree	4		40	300	300	6	2	D3 (O/H)	D3 (O/H)						✓
CR 520	Biomedical Engineering	101	Honours Bachelor Degree	4		10	390	390	6	2	C3 (H) or (Ref. 3)	D3 (O/H)						✓
CR 075	Biomedical Engineering	103	Bachelor Degree	3	✓ (Ref. 1)	20	280	280	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 8/11)	✓
CR 522	Building Energy Systems	89	Honours Bachelor Degree	4		20	260	260	6	2	D3 (O/H)	D3 (O/H)						✓
CR 072	Building Services Engineering	91	Bachelor Degree	3	✓ (Ref. 1)	20	225	225	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 7/10/14)	✓
CR 046	Transport Management & Technology	93	Bachelor Degree	3	✓ (Ref. 1)	40	210	210	5	0	D3 (O/H)	D3 (O/H)				✓	(Ref. 12)	✓

Ref.1 Students who successfully complete Year 2 of the Bachelor Degree Programme and do not wish to progress to Year 3, will receive a Higher Certificate Qualification.

Ref.2 On successful completion of the first year students can choose to enter the second year programme of their choice from CR 105 / CR 108 / CR 109 / CR 520.

Ref.3 The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.

Ref.4 BSc in Construction Management

Ref.5 BSc in Quantity Surveying

Ref.6 The entry requirements for CK 606 Architecture are under review.

Ref.7 BSc (Honours) in Process Plant Technology

Ref.8 BSc (Honours) in Advanced Manufacturing Technology

Ref.9 BEng (Honours) in Mechanical Engineering

Ref.10 BEng (Honours) in Sustainable Energy

Ref.11 BEng (Honours) in Biomedical Engineering

Ref.12 BSc (Honours) in Transport Management

Ref.13 BEng (Honours) in Structural Engineering

Ref.14 BEng (Honours) in Building Energy Systems

Ref.15 There were no offers for CR109 in 2012/2013.

There will be 36-40 first year places available between CR 090 Architectural Technology and CR 560 Architectural Technology.

There will be 40 first year places available between CR 053 Interior Architecture and CR 565 Interior Architecture.

There will be 40 first year places available between CR 062 Electrical Engineering and CR 580 Electrical Power Systems.

There will be 40 first year places available between CR 061 Electronic Engineering and CR 590 Electronic Systems Engineering.

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook.

Number of First Year Places may change.

Leaving Certificate (LC)



An underwater photograph showing two divers and a submersible. The submersible has 'SEFTec' and 'NM' logos. The text 'National Maritime College of Ireland at a glance' is overlaid in large white letters.

# National Maritime College of Ireland at a glance

## **CAO Courses**

### **Level 7**

CR 094 BSc in Nautical Science

CR 095 BEng in Marine & Plant Engineering

CR 805 BEng in Marine Electrotechnology

## **Follow on Honours Degree**

### **Level 8**

BSc (Honours) in Nautical Science

## **Other Programmes**

Higher Certificate in Science in Nautical Studies

BBus in Supply Chain & Transport Management

# NATIONAL MARITIME COLLEGE OF IRELAND



The National Maritime College of Ireland (NMCI) is located on a 10 acre campus in Ringaskiddy, Co. Cork and provides training and education for the Merchant Marine and the non-military needs of the Irish Naval Service (INS).

The NMCI provides education services of the highest quality. Specialist spaces including survival facilities, seamanship and shipwrights' workshops, fire-fighting/damage control, jetty and lifeboat facilities, and engine room are provided. The College also provides specialised simulation equipment in the areas of navigation, bridge training, communications, engineering machinery operations, liquid cargo handling/damage control and vessel traffic systems. These facilities fully comply with the most up-to-date international standards and requirements. A multi-purpose hall and sporting facilities are also included in the College. The College also undertakes refresher and short courses for STCW validation. See website for further details on these courses [www.nmci.ie](http://www.nmci.ie).



*National Maritime College of Ireland*

## Careers at Sea

Life at sea has always appealed to people who want to combine travel with a challenging career offering exciting future prospects within the associated marine industries. This is the life for those who relish the challenge of working with the sea.

Ships carry 95% of world trade and seaborne traffic is forecast to increase significantly. This is generating a great demand for high-quality personnel to manage and operate today's technically sophisticated ships. Apart from seagoing duties, the maritime industry also involves shipbuilding and ship repair, marine equipment companies, ports, surveying, administration services, insurance and law.

This major industry is looking for capable and enthusiastic people who are ready for responsibility and hard work, and who enjoy using the latest technology. You will become a key member of a highly qualified team, whether on a giant supertanker, a container ship, a cross-channel ferry,

a cruise liner, a specialised vessel servicing the offshore oil industry or on a cargo ship. Opportunities at a senior level in management, marine administration, and many other marine related areas are plentiful and experienced marine people are always sought for such positions.

*The NMCI is the designated National Centre for education and training for careers in the maritime sector.*

In addition to theoretical studies, students gain practical experience in safety, personal survival, first aid and fire-fighting. All students train with experienced seafarers at the NMCI and aboard merchant vessels worldwide. Whether the choice is Nautical Science, Marine & Plant Engineering, or Marine Electrotechnology, the student will experience the most modern resources in the world of seafarer training. There are also opportunities to advance to higher postgraduate degrees.

**See video:** [www.nmci.ie/video](http://www.nmci.ie/video)

## Student Life

Students are at the heart of any college. Here at NMCI it's no different. Due to the nature of life at sea, our students come from very diverse backgrounds and have a very broad age profile. Most come directly from second level schools and colleges, however, many are seasoned seafarers returning to gain further qualifications so that they can advance in their careers at sea.

## General Facilities

There is a cafeteria where breakfast, lunch, and hot meals are served. NMCI has a hall for indoor sports and a gym equipped for weight training. NMCI students registered with Cork Institute of Technology are entitled to avail of facilities and sports clubs on the main campus





in Bishopstown. There are very active diving and sailing clubs which use the facilities at NMCI, as well as soccer and rugby clubs.

The Learning Resource Centre (LRC) is a focal point for students outside the classroom environment. Here students can use the open access computers, read at individual study spaces and browse in the library.

Currently, the library has a book stock of approximately 4,000 volumes and this collection will be developed on an ongoing basis with support from Cork Institute of Technology and the Irish Naval Service as well as donations of funds and materials from external organisations. The library has a maritime focus and subjects covered range from law, meteorology and marine engineering to seamanship and navigation.

As a constituent college of Cork Institute of Technology, NMCI students can request materials from other CIT Libraries and can access online databases.

## Student Accommodation

There is purpose built student accommodation available locally at Ferryview Park in Ringaskiddy which is approximately 10 minutes' walk from NMCI.

For further information please view [www.ferryviewpark.com](http://www.ferryviewpark.com)

Irish Naval Service students have accommodation provided at the Naval Base in Haulbowline.

## Courses for Professional Seafarers Certificates of Competency (Post Degree)

Certificates of Competency are required under the Merchant Shipping Acts for personnel in positions of responsibility on board ships. The National Maritime College of Ireland offers preparatory courses for the mandatory certification examinations which are conducted by CIT on behalf of the Department of Transport, Tourism and Sport. Courses for senior or post degree personnel and other short courses are available for those who require to progress from the Officer of the Watch level to the Chief Engineer or Master level of Certificate of Competency.





# Nautical Science

## CR 094 Level 7 Award

>> Progression to Honours Degree

**Application:** CAO

**Award Title:** Bachelor of Science in Nautical Science

**Duration:** 3 and a half Years including seetime

**Places:** 36

**Location:** National Maritime College of Ireland, Ringaskiddy, Co. Cork.

**CAO Points in 2012: Round 1:** 330 / **Final:** 320

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

**Note 1:** The programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/approved Shipping Company.

**Note 2:** Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

**Note 3:** Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

### What is Nautical Science?

Nautical Science has three main elements: Navigation and ship handling, in other words, the conning and control of a ship; the safe operation of a ship, including the protection of life and the environment; Shipboard administration, and the handling, loading and care of cargoes which may be as diverse as petroleum products, general cargo, or thousands of new cars or passengers.

### Helpful Leaving Certificate Subjects

Mathematics, Science subjects, English, and Engineering.

### Work Placement

There is a mandatory work placement of 12-15 months seetime in Year 2.

### Potential Areas of Employment

- Ship's Officer (from Junior Ranks to Captain)
- Harbour Pilot
- Coastal Boat/Shipping
- Educator in a Nautical Institution



*"Had a great first year. Worked hard at my subjects, and enjoyed the short courses. Enjoyed also the sailing club and the events away. Made great new friends."*

**Alice Harding**



## Module Information

<http://modules.cit.ie/cr094>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course is designed for those who wish to pursue a career as a Deck Officer aboard ship. It provides a comprehensive education in navigation and other ship board activities. Students who successfully complete Year 1 are expected to be placed in a commercial ship in Year 2, gaining fifteen months seetime for practical training experience, and to gain the necessary 'seetime' for the Department of Transport, Tourism and Sport Certificate of Competency. In addition, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

**It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI and the College cannot accept responsibility for difficulties in securing such placement.**

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie) and [www.nmci.ie](http://www.nmci.ie)

Suitably qualified graduates are eligible to apply for entry to the one year add-on

→ Bachelor of Science (Honours) in Nautical Science

## Career Opportunities

Graduates first become Officer of the Watch on a vessel after graduating and passing relevant examinations. They can advance to Chief Mate or Ship's Captain with further study, examinations, and seetime. Careers exist on all different type of ocean going vessels: bulk carriers, oil tankers, container ships, cruise and ferry vessels. There are also careers on specialist vessels, such as seismic and exploration ships, pilot vessels, tugs and mega yachts.



## Contact Information

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W: [www.nmci.ie](http://www.nmci.ie)

## Question Time

### How successful is the College at securing work placement?

Very successful. Suitable qualified personnel with relevant qualifications are always in demand in the industry.

### How do I go about getting a training berth to sponsor me while I am in College?

The College endeavours to place all students on vessels. To-date it has been successful.

### Do I have to work for the training berth once I graduate?

No. The commitment from the sponsoring companies usually ends upon graduation. However, a significant number of students go on to work as an officer with their sponsors.

### How much sea going experience do I need before I can apply to sit for a Master's Ticket?

A minimum of 36 months sea-service is required to progress to Ship's Captain. With leave and further study requirements, this generally takes six to seven years to complete.

**myCIT**  
**myCareer**

**Sinéad Reen**  
Master Mariner



After Sinéad commenced the Nautical Science Degree course, she worked on ships as a Navigating Officer to gain experience before returning to CIT to obtain qualifications as First Mate.

Sinéad qualified as a Master Mariner when she successfully completed her Department of Transport, Tourism and Sport professional examinations. She has the proud distinction of being the first woman to be issued with a Certificate of Competency as Master Mariner in Ireland.

**NMCI Open Day 22 October**

# Marine & Plant Engineering

## CR 095 Level 7 Award

>> Progression to Chief Engineer

**Application:** CAO

**Award Title:** Bachelor of Engineering in Marine & Plant Engineering

**Duration:** 4 Years including one year work placement

**Places:** 40

**Location:** National Maritime College of Ireland, Ringaskiddy, Co. Cork.

**CAO Points in 2012:** Round 1: 320 / Final: 300

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3(O/H)	D3 (O/H)

**Note 1:** The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/approved Shipping Company.

**Note 2:** Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

**Note 3:** Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

### What is Marine & Plant Engineering?

The function of the Marine Engineer is to operate and maintain the engines, boilers, generators and other systems of ships. Most of the mechanical equipment aboard ship is operated and maintained by Marine Engineers. This course aims to provide a sound knowledge base of Marine Engineering.

### Helpful Leaving Certificate Subjects

Mathematics, Science subjects, Engineering, and English.

### Work Placement

On completion of Year 2, students partake in work placement at sea for a minimum of 9 months in a 14 month period.



myCIT  
myCourse

*"NMCI has great facilities from which to gain practical experience which I find invaluable for starting off my career at sea. Specialised training facilities are also available on the campus, for example fire fighting and sea survival training."*  
**Tomas Crowley**



[www.cit.ie/course/CR095](http://www.cit.ie/course/CR095)



## Module Information

<http://modules.cit.ie/cr095>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## Potential Areas of Employment

- Ship's Officer (from Junior Ranks to Chief Engineer)
- Shipping land based engineering support and vessel dry docking
- Power Plant Engineers
- Marine Consulting and Surveyors

## About the Course

As well as lectures, training is provided in marine, electrical, welding and mechanical workshops, supplemented with practical work in the College engine room and simulation exercises in the machinery and cargo-handling simulation suites.

Students who successfully complete Year 1 and 2 are expected to be placed in a commercial ship, for practical training experience, and to gain the necessary 'seatime' for the Department of Transport, Tourism and Sport Certificate of Competency, in their third year. In addition while at sea, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

**It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI and the College cannot accept responsibility for difficulties in securing such placement.**

## Further Studies

For details, see [www.nmci.ie](http://www.nmci.ie)

There are opportunities for further study in order that cadets will progress from the Officer of the Watch Level on to the Second Engineer Officer Certificate of Competency and in due course to the Chief Engineer Officer Certificate of Competency with a combination of Sea-Service, further study and examinations.



## Career Opportunities

Graduates first become Officer of the Watch on a vessel after graduating and passing relevant examinations. They can advance to Second Engineer or Chief Engineer with further study, examinations, and seetime. Careers exist on all different type of ocean going vessels: bulk carriers, oil tankers, container ships, cruise ships, and ferry vessels.

## Contact Information

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E: [admissions@nmci.ie](mailto:admissions@nmci.ie)  
W: [www.nmci.ie](http://www.nmci.ie)

## Question Time

**How do I go about getting a Shipping Company to sponsor me while I am in College?**

The College endeavours to place students with shipping companies and has been successful to date.

**Do I have to work for the Shipping Company once I graduate?**

Yes, as your training centres around that environment and you have to complete your seetime for advanced qualification.

**How much sea going experience do I need before I can apply to sit for a Chief Engineer's Ticket?**

The minimum is approximately three years on suitable vessels and voyages.

**myCIT**  
**myCareer**

**Eoin O'Sullivan**  
Senior Marine Engineer



Eoin graduated in Marine & Plant Engineering. He is currently serving as a Chief Engineer on a speciality vessel (FPSO) in the production and storage area of exploration off the coast of Brazil, working one month on and off.

Eoin obtained the Chief Engineering Certificate of Competency. Eoin found the College facilities excellent. "Most of the lecturers have spent time at sea and use their experience to teach their skills. The standard of education is very high."

**NMCI Open Day 22 October**

# Marine Electrotechnology

## CR 805 Level 7 Award

>> Progression to Electro Technical Officer on ocean-going vessels

**Application:** CAO

**Award Title:** Bachelor of Engineering in Marine Electrotechnology

**Duration:** 4 Years including one year work placement

**Places:** 20

**Location:** National Maritime College of Ireland, Ringaskiddy, Co. Cork.

**CAO Points in 2012: Round 1:** 225 / **Final:** 225

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

Note 1: The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/approved Shipping Company.

Note 2: Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

Note 3: Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

### What is Marine Electrotechnology

An Electro Technical Officer (ETO) operates, maintains and calibrates all electrical, electronic and ships equipment. The ETO's role is not restricted to the engine room and may also work on complex systems located throughout any vessel.

### Helpful Leaving Certificate Subjects

Mathematics, Science subjects, Engineering, and English.

### Work Placement

On completion of Year 2, students partake in work placement at sea for a minimum of 9 months in a 14 month period.

### Potential Areas of Employment

- Electro Technical Officers
- Marine Electronic Maintenance
- Aviation Instrumentation Maintenance



myCIT  
myCourse

*"The course is very fulfilling, the subjects are incredibly relevant to the real world shipping industry and the training you will get is second to none in this country."*

Jim Duffy



[www.cit.ie/course/CR805](http://www.cit.ie/course/CR805)

## Module Information

<http://modules.cit.ie/cr805>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course shares its first two semesters with the CR 095 BEng in Marine and Plant Engineering. Having completed Year 1, Marine Electrotechnology students begin specialist electrical and electronic training. As well as lectures, training is provided in a variety of workshops and laboratories. This practical work is given to enhance the students' learning experience. Practical knowledge of fundamental theories gained in electrical, electronic, communications, and control laboratories. A broad understanding of ships and ships' systems is delivered in electrical workshops and in the College's own engine room.

Students who successfully complete Year 1 and 2 are expected to be placed on a commercial ship, for practical training experience, and to gain the necessary 'seatime' for the Department of Transport, Tourism and Sport Certificate of Competency, in their third year. In addition while at sea, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

**It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI, and the College cannot accept responsibility for difficulties in securing such placement.**

## Further Studies

For details, see [www.nmci.ie](http://www.nmci.ie)

There are opportunities for further study in related fields at the Honours Degree level. Graduates will be well placed to pursue further studies in either electrical or electronic engineering.

## Career Opportunities

Electro Technical Officers of a high standard are particularly sought after within the cruise line industry. There are also a number of opportunities ashore in a wide variety of fields including marine electronic maintenance and aviation instrumentation maintenance industries.

## Contact Information

Head of Academic Studies  
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W: [www.nmci.ie](http://www.nmci.ie)

## Question Time

### How successful is the college at securing work placement?

The College endeavours to place students with shipping companies and has been highly successful to date.

### If I graduate with this Level 7 degree, can I further my studies in CIT as an Electronic or Electrical Engineer at Level 8?

CIT has a Recognition of Prior Learning System, detailed information at [www.cit.ie/rpl](http://www.cit.ie/rpl). Applicants may be exempted from modules in courses which are similar.





# Nautical Studies

## Level 6 Award

**Application:** NMCI. Application form available at [www.nmci.ie](http://www.nmci.ie)

**Award Title:** Higher Certificate in Science in Nautical Studies

**Duration:** 3 years approximately

**Places:** 20

**Location:** National Maritime College of Ireland, Ringaskiddy, Co. Cork

### Admission Requirements

Applicants should be at least 17 years of age. Applicants are normally expected to have reached the Leaving Certificate level of the Department of Education & Skills or equivalent standard. The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/ approved Shipping Company.

Applicants with at least 36 months approved seetime may apply for Recognition of Prior Learning ([www.cit.ie/rpl](http://www.cit.ie/rpl)).

**N.B. Applicants for this course may be asked to attend a college interview. All applicants must pass the Seafarer Medical and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport.**

### What is Nautical Studies?

Nautical Studies provides training for a Seaman onboard a merchant vessel involving shipboard maintenance, and handling of cargo. It also provides a route to Deck Officer training.

### Helpful Leaving Certificate Subjects

Mathematics, Science subjects, and English.

### Work Placement

There is a mandatory work placement onboard ships at sea.

### Potential Areas of Employment

- Able Seafarer Deck
- Officer of the Watch



**myCIT**  
**myCourse**

*"NMCI's hands-on approach to training gives a great base to start your career at sea."*

**Aidan Kneeshaw**



[www.nmci.ie/video](http://www.nmci.ie/video)

## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course provides an opportunity to train for a career as a Seaman or as a Deck Officer in the Merchant Navy. Applicants who train as a Seaman will exit the course after approximately 16 months having attained the Certificate in Seamanship, a minor award associated with the Higher Certificate. They will then be able to obtain employment at sea as an Able Seafarer Deck.

The Higher Certificate programme includes work placement onboard ship at sea. During this work placement the student works alongside the ship's crew and officers in the operation of the vessel. All in-service training is supported by work placement modules which must be completed by the student.

**It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI and the College cannot accept responsibility for difficulties in securing such placement.**

## Further Details

For details, see [www.nmci.ie](http://www.nmci.ie)

Holders of the Certificate may progress to:

1. Chief Mate/Master on vessels of 500 to 3000 gross tonnage
2. Chief Mate/Master on vessels of greater than 3000 gross tonnage

The most appropriate avenue is one of personal preference.

## Career Opportunities

Successful students completing the full course will obtain a Level 6 Higher Certificate in Science in Nautical Studies. On completion of a Department of Transport, Tourism and Sport oral examination, they will be issued with a Certificate of Competency as Officer of the Watch on a vessel of more than 500 gross tonnage. This qualifies the holder to serve as a Junior Deck Officer on board a merchant vessel trading worldwide.

## Contact Information

Head of Academic Studies  
National Maritime College of Ireland  
Ringaskiddy, Co. Cork.  
T: +353 (0) 21 433 5612  
F: +353 (0) 21 433 5696  
E: [admissions@nmci.ie](mailto:admissions@nmci.ie)  
W: [www.nmci.ie](http://www.nmci.ie)

## Question Time

**How long is the Department of Transport, Tourism and Sport oral examination and where does the exam take place?**

The Department of Transport, Tourism and Sport oral examinations can last approximately an hour. They take place in the Marine Surveyors Office, Department of Transport, Tourism and Sport, Leeson Lane, Dublin.

**How much sea going experience do I need before I can apply for Chief Mate/Master on vessels of 500 to 3000 gross tonnage?**

You must have a total of 6 months sea service as an officer to apply. This may take a candidate approximately two years to achieve, depending on their work/leave ratio.

**Does NMCI offer similar Certificate Courses in Nautical Studies?**

Yes, NMCI offers a Level 6 Certificate in Seamanship. Due to the significant work placement, it takes approximately 16 months to complete. On successful completion, you may obtain employment at sea as an Able Seafarer Deck or you may opt to progress to the Higher Certificate in Nautical Studies.

**myCIT**  
**myCareer**

**John Conlon**  
Master Mariner



John qualified as an Officer of the Watch and worked on Bulk Carriers for a number of years before returning to NMCI to complete qualifications as Chief Officer. He qualified as Master Mariner and is now serving as Master with Arklow Shipping.

"The training was very practical with a wide range of career opportunities to choose from."

**NMCI Open Day 22 October**

# Supply Chain and Transport Management

## Level 7 Award

**Application:** NMCI. Application form available at [www.nmci.ie](http://www.nmci.ie)

**Award Title:** Bachelor of Business in Supply Chain and Transport Management

**Duration:** 1 Year (2 Semesters) on an evening/weekend basis

**Location:** National Maritime College of Ireland, Ringaskiddy, Co. Cork

### Admission Requirements

Chartered Institute of Logistics and Transport (CILT) or IIPMM (Procurement and Supply Chain Management) Diploma or Graduateship in Supply Chain Management or an equivalent Level 6 qualification in a relevant discipline.

### What is Supply Chain and Transport Management?

Logistics and Transport Management is that part of the supply chain which plans, implements and controls the efficient, effective forward and reverse flow and storage of goods, services and related information between the point of origin and the point of consumption in order to meet customer and legal requirements while simultaneously improving performance, costs and flexibility.

The concept has been defined in simpler terms and is often captured with five words:

**Plan, Source, Make, Deliver, Return.**

### Helpful Leaving Certificate Subjects

Mathematics, Science subjects, and English.

### Work Placement

There is a mandatory in-service training or work placement onboard ships at sea.

### Potential Areas of Employment

- Supply Chain Manager
- Transportation Provider
- Customs Liaison Officer
- Procurement Manager



**myCIT**  
**myCourse**

*"I found the course to be very informative and of great benefit to me in my current job. I would recommend the course to anyone working in or thinking of working in Supply Chain Management."*

**Claire Murphy**



[www.cit.ie/course/CR\\_BSCTM\\_7](http://www.cit.ie/course/CR_BSCTM_7)



## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course is a one year step up Degree and is designed for those who have experience in the Logistics and Supply Chain Management and who wish to further their career prospects. The elements of Supply Chain Management have always existed in business. What changed was the willingness of businesses to recognise the inter-relationship of the various sub-functions, and to pursue the benefits generated through coordination and integration, both from a strategy/planning perspective and operationally.

Modules comprise Quality and Lean Operations; Managing Performance Measurement; International Trade & Customs Law; Operations Management; and Organisational Structure and Human Resource Development.

Supply Chain: Business, Warehousing, Transport, Management Accounting & Management Finance, IT and E Commerce, Purchasing, Leadership and Communications.

### Benefits:

You will be one of the elite few

- who will possess a Degree in Supply Chain and Transport Management;
- who, as a result, will secure challenging, better paid and more fulfilling positions in Supply Chain;
- who will be empowered with the knowledge and skills to implement the latest best practices in Supply Chain Management in your organisation.

## Career Opportunities

As more and more responsibility is placed on the Supply Chain Management and Logistics functions, the need has intensified for its practitioners to be highly skilled in the various elements of Supply Chain Management and to be completely up-to-date with best practices in the industry both locally and globally. Logisticians must take their place alongside engineers and accountants as proficient and exceptionally well-trained professionals.

## Contact Information

Head of Academic Studies  
National Maritime College of Ireland  
Ringaskiddy, Co. Cork.  
T: +353 (0) 21 433 5612  
F: +353 (0) 21 433 5696  
E: [admissions@nmci.ie](mailto:admissions@nmci.ie)  
W: [www.nmci.ie](http://www.nmci.ie)

## Question Time

### How much will the course cost?

The course fee is currently €2,800.

### When and where do the lectures take place?

The lectures take place at the National Maritime College of Ireland in Ringaskiddy, Co. Cork, on Saturdays and one night a week (after discussion with group).



**myCIT**  
**myCareer**

**John Duffy**  
Senior Team Lead - Materials  
Boston Scientific Cork



"The course coordinators were flexible and accommodating, and understood the difficulties that can be encountered whilst completing a part-time degree course and working full-time.

Enrolling on this course with NMCI has opened many doors for me and has helped me to further my career within the Supply Chain function. Since completing the degree course I have been promoted twice, and am now responsible for the entire warehouse function. Prior to graduating, this would not have been feasible as both positions stipulated a relevant degree qualification.

I would recommend anybody seeking a career in logistics to complete this course, as it will meet and exceed both your needs and expectations."

**NMCI Open Day 22 October**

# NMCI MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Certificate Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points 2012	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT		
														Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 094	Nautical Science	117	Bachelor Degree	3.5*		36	330	320	5	0	D3 (O/H)	D3 (O/H)	✓ (Ref.1)	✓	✓	✓ (Ref.2)
CR 095	Marine & Plant Engineering	119	Bachelor Degree	4**		40	320	300	5	0	D3 (O/H)	D3 (O/H)	✓ (Ref.1)	✓		✓ (Ref.3)
CR 805	Marine Electrotechnology	121	Bachelor Degree	4**		20	225	225	5	0	D3 (O/H)	D3 (O/H)	✓ (Ref.1)	✓	✓	✓ (Ref.4)

Ref.1 Applicants for this course must pass the approved Medical Fitness and Eyesight tests and are recommended to attend a Career Advisory Session.

Ref.2 Offer of a place on the course will be subject to passing the medical & eyesight tests at the time of offer.

Ref.3 Further study at NMCI to Ship's Master.

Ref.4 Progression to Electro Technical Officer on ocean going vessels.

\* Duration of CR 094 is 3.5 years including seetime.

\*\* Duration of CR 095 and CR 805 is 3 Years (6 Semesters) and 1 Year work placement.

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook.

Number of First Year Places may change.

Leaving Certificate (LC)





# Science & Informatics

## at a glance

### CAO Courses

#### Level 8

CR 106 BSc (Honours) in Software Development  
CR 116 BSc (Honours) in Software Development and  
Computer Networking  
CR 305 Physical Sciences (Honours) (Common Entry)  
CR 310 BSc (Honours) in IT Management  
CR 312 BSc (Honours) in Web Development  
CR 320 BSc (Honours) in Biomedical Science (Joint CIT / UCC Degree)  
CR 325 BSc (Honours) in Pharmaceutical Biotechnology  
CR 330 BSc (Honours) in Herbal Science  
CR 333 BSc (Honours) in Nutrition & Health Science  
CR 340 BSc (Honours) in Analytical Chemistry with Quality Assurance  
CR 360 BSc (Honours) in Instrument Engineering  
CR 365 BSc (Honours) in Environmental Science &  
Sustainable Technology

#### Level 7

CR 001 BSc in Applied Physics & Instrumentation  
CR 006 Applied Biosciences  
Degree Award options:  
BSc in Food & Health Science or  
BSc in Applied Biosciences and Biotechnology  
CR 007 BSc in Analytical & Pharmaceutical Chemistry  
CR 016 BSc in Computing  
CR 300 Physical Sciences (Common Entry)  
CR 888 BSc in Information Technology Support

### Follow on (Honours) Degrees

#### Level 8

BSc (Honours) in Applied Physics & Instrumentation  
BSc (Honours) in Cloud Computing

### Postgraduate Programmes

Postgraduate Diploma in Networking and Security  
Higher Diploma in Science in Cloud Computing  
Higher Diploma in Science in Cloud & Mobile Software Development  
Higher Diploma in Science in Software Development  
MSc in Computational Biology (Taught)  
MSc in Cloud Computing (Taught)  
MSc in Biomedical Science (Taught)  
MSc in Software Development (Taught)  
MSc in Networking and Security (Taught)  
MSc (by Research)  
PhD



# Physical Sciences (Common Entry)

**CR 305** Level 8 Award

**CR 300** Level 7 Award

**Application:** CAO

**Award Title:** Dependent on chosen specialisation.

**Duration:** Common Semester 1, students then select a course in either Chemistry or Physics with which to continue.

**Places:** 20 (Level 8) / 10 (Level 7)

**CAO Points in 2012 for CR 305 Level 8: Round 1:** 320 / **Final:** 320

**CAO Points in 2012 for CR 300 Level 7: Round 1:** 290 / **Final:** 290

## Minimum Entry Requirements for CR 305 Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## Minimum Entry Requirements for CR 300 Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

## What is Science?

Science refers to a system of acquiring knowledge. This system uses observation and experimentation to describe and explain natural phenomena. Science is an excellent career choice for those interested in understanding how the chemicals, foods and other products that we encounter in everyday life are designed and produced. From cures for life threatening illnesses, to environmental protection, to the design of new foods and space science, careers in science are varied and interesting.

## Helpful Leaving Certificate Subjects

Mathematics, Physics, Chemistry.



[www.cit.ie/course/CR300](http://www.cit.ie/course/CR300) and  
[www.cit.ie/course/CR305](http://www.cit.ie/course/CR305)

## Module Information

<http://modules.cit.ie/cr305>

<http://modules.cit.ie/cr300>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Courses

The Physical Sciences (Common Entry) courses are designed for applicants who wish to enter Chemical or Physical Science in CIT but are undecided about or wish to postpone selecting a designated Chemistry or Physics qualification until after they have had an opportunity to experience both disciplines.

**Common Semester 1:** The common Semester 1 programme includes modules in Physics, Chemistry, Biology, Mathematics and Computing so that students will have completed an introduction to general science at the end of Semester 1.

At the end of Semester 1, students choose the Chemistry or Physics course that they wish to pursue in Semester 2.

**Students on the Level 8 Science Common Entry Programme CR 305** can apply to progress to one of the three Level 8 science courses:

- CR 360 BSc (Honours) in Instrument Engineering
- CR 365 BSc (Honours) in Environmental Science and Sustainable Technology
- CR 340 BSc (Honours) in Analytical Chemistry with Quality Assurance

**Students on the Level 7 Science Common Entry Programme CR 300** can apply to progress to one of the two Level 7 science courses:

- CR 001 BSc in Applied Physics and Instrumentation
- CR 007 BSc in Analytical and Pharmaceutical Chemistry

Applicants are advised to visit each of the course sites for detailed descriptions at [www.cit.ie](http://www.cit.ie)

## Contact Information

Dr John Wood  
Department of Chemistry  
T: 021 433 5870  
E: [john.wood@cit.ie](mailto:john.wood@cit.ie)

## Question Time

**What are the advantages of taking the Physical Sciences (Common Entry) route?**

Students have an opportunity to take introductory modules in both Chemistry and Physics (in addition to other areas of general science) before choosing the discipline they wish to follow.

**Do I need to have studied at least one of the science subjects at Leaving Certificate to apply for these courses?**

No – the fundamentals of the three Leaving Certificate science subjects are delivered in Semester 1.

**What is the difference between choosing Physical Sciences (Common Entry) at Level 8 to Physical Sciences (Common Entry) at Level 7?**

Students commencing on the Level 7 route will have completed their ordinary BSc Degree in 3 years, while those who choose the Level 8 route will take 4 years to complete their Honours BSc Degree.

### Progression from Physical Sciences (Common Entry)

**CR 305  
Level 8**

**BSc (Honours) in Instrument Engineering**

**BSc (Honours) in Environmental Science and Sustainable Technology**

**BSc (Honours) in Analytical Chemistry with Quality Assurance**

**CR 300  
Level 7**

**BSc in Applied Physics & Instrumentation**

**BSc in Analytical & Pharmaceutical Chemistry**

Open Day 22 & 23 November

# Analytical Chemistry with Quality Assurance (Honours)

## CR 340 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Analytical Chemistry with Quality Assurance

**Duration:** 4 Years (8 Semesters)

**Places:** 10

**CAO Points in 2012:** Round 1: 345 / Final: 295

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Analytical Chemistry?

The equipment of everyday life is made from raw materials. Chemists analyse and understand these raw materials to determine efficient and safe ways of transforming them into useful products, develop new products and materials, and monitor production processes to ensure the quality of finished products.

Analytical Chemistry is the speciality dealing with devising, selecting, and using methods for determining the identity and quantity of chemical components of materials. Many important materials, such as biological samples or drugs and medicines, have key components that are present at very low levels or concentrations, and many sophisticated techniques have been developed for their detection and analysis.

### Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, Biology.

### Work Placement

A mandatory work placement of a minimum of 10 weeks takes place in Year 3.

### Potential Areas of Employment

- Laboratory Analyst
- Quality Management, Regulatory Compliance
- Research
- Teaching



**myCIT**  
**myCourse**

*"The course is very flexible and provides training for the pharmaceutical industry, research, and also teaching. It is a unique course that combines Chemistry with Quality Assurance and other interdisciplinary subjects."*

**Patricia Magill**



[www.cit.ie/course/CR340](http://www.cit.ie/course/CR340)



## Module Information

<http://modules.cit.ie/cr340>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The BSc (Honours) in Analytical Chemistry with Quality Assurance (ACQUA) prepares students for laboratory careers in the pharmaceutical industries. Graduates identify and solve analytical problems by the selection and use of a wide range of methods and techniques – from the mainstream areas of spectroscopy, chromatography, and electrochemistry, to more specialised areas such as particle size analysis or immunoassay techniques.

The Honours BSc ACQUA also focuses on quality assurance, which is of vital importance to the pharmaceutical, chemical and allied industries. The course is examined using a combination of continuous assessment of both theory and practical work, and end of year examinations.

## Professional Recognition

The Honours BSc ACQUA is recognised by the Institute of Chemistry of Ireland for membership (MICI); graduates are also eligible to apply for Associate Membership of the Royal Society of Chemistry (AMRSC).

## Teaching

The Honours BSc ACQUA is recognised by the Teaching Council. Graduates of the course are approved for the teaching of Chemistry in second level schools. As with other Degrees, a training and teaching qualification such as a Professional Diploma in Education (PDE) is also required.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Graduates achieving a First Class or Second Class (Grade 1) Honours Degree may proceed to postgraduate research programmes in Chemistry (MSc, PhD) at CIT. Such graduates will be eligible for consideration for a limited number of Postgraduate Research Scholarships offered by CIT each year. Holders of the Honours BSc ACQUA may also embark on postgraduate programmes at Irish and UK universities.

## Career Opportunities

Graduates are prepared for laboratory careers in the pharmaceutical industries and are qualified in areas such as Quality Standards, Good Manufacturing Practice, Total Quality Management, and Regulatory Compliance. They may take up leadership roles in areas such as method design and implementation, process validation, and management of quality systems.

## Contact Information

Dr John Wood  
Department of Chemistry  
T: 021 433 5870  
E: [john.wood@cit.ie](mailto:john.wood@cit.ie)

## Question Time

**If I didn't study Chemistry for the Leaving Certificate, am I at a disadvantage?**

No – the fundamentals of the three Leaving Certificate science subjects are delivered during the first semester, with chemistry being further developed as the course progresses.

**What is the difference between CR 340 and CR 007?**

Students commencing on the CR 007 route will have completed the ordinary BSc Degree in 3 years, while those starting on CR 340 will take 4 years to complete the Honours BSc Degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

**What personal skills are most suited to the course and subsequent careers?**

Numeracy, accuracy, precision; good practical and manipulative skills; an analytical approach to problem-solving, i.e. the ability to relate a numerical answer to the physical reality that it represents.

**myCIT**  
**myCareer**

**Dr Brendan Healy**  
Technical Services Chemist



"After graduation, I qualified for a research grant and joined the chemistry research group at CIT to start my PhD research in freshwater and marine natural toxins. On completion of the PhD, I began work as an Analytical Chemist in the Quality Assurance Department at Pfizer. This role involved validation and transfer of analytical methods, analytical support for production and QC, troubleshooting, method development, cleaning validation, regulatory support for new product submissions, technical writing, etc. I had encountered many of these topics during both my BSc and PhD studies."

Open Day 22 & 23 November

# Analytical and Pharmaceutical Chemistry

## CR 007 Level 7 Award

- >> Progression to Honours Degree & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Analytical and Pharmaceutical Chemistry

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 280 / Final: AQA

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Analytical and Pharmaceutical Chemistry?

Chemistry is the fundamental science that deals with the “three Cs” – the composition of matter, the changes that transform matter, and the conditions under which those changes occur. The study of fundamental Chemistry allows us to increase our total knowledge and understanding of our universe, our environment, and indeed life itself. Applied Chemistry uses our understanding of fundamental Chemistry to improve the way in which we live, work, and develop.

Analytical chemistry deals with the great variety of methods used to identify and quantify the chemical components of materials, while pharmaceutical chemistry focuses on aspects of drug design, synthesis, and manufacture.

### Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, Biology.

### Work Placement

A mandatory work placement of a minimum of 10 weeks takes place in Year 3.

### Potential Areas of Employment

- Chemical Laboratory Technician
- Laboratory Quality Assurance
- Product Development



**myCIT**  
**myCourse**

*“I had a narrow view of Chemistry as just one branch of science, however, as the course progressed, a whole new world opened up and I began to understand the captivating dynamics of Chemistry, and how it would shape my future career.”*

**Rachael Byrne**



[www.cit.ie/course/CR007](http://www.cit.ie/course/CR007)

## Module Information

<http://modules.cit.ie/cr007>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

Courses in Chemistry at CIT have provided many of the highly skilled personnel at various levels required by the industry. School leavers are offered a flexible and attractive route through an extremely diverse science. The BSc in Analytical and Pharmaceutical Chemistry prepares students for laboratory-based careers; activities include preparation of chemicals and samples for use, analysis of raw materials and products of chemical processes, set-up/maintenance/ use of chemical instrumentation. Computerised instruments and information technology are important in this work, and graduates may work in quality assurance, analysis, research, development, and production.

The course aims to give students the knowledge and skills to practice chemistry in the laboratory environment.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Graduates of the Bachelor of Science in Analytical and Pharmaceutical Chemistry who have attained a minimum final average mark of 50% may proceed to Year 4 of

→ Bachelor of Science (Honours) in Analytical Chemistry with Quality Assurance (ACQUA)

This in turn may lead to the option to proceed to postgraduate studies (MSc or PhD) in Chemistry at CIT or other colleges in Ireland or abroad.

## Teaching

The Honours Degree that follows the Bachelor of Science in Analytical and Pharmaceutical Chemistry satisfies the Degree requirements of the Teaching Council. As with other Degrees, a training and teaching qualification such as a Professional Diploma in Education (PDE) is also required.

## Career Opportunities

Career opportunities exist not only in the chemical/ pharmaceutical industry, but also in such diverse areas as electronics, metallurgy, and food/beverage processing.

Graduates have become senior technicians, analysts, laboratory managers, and quality control supervisors. Some have progressed into company management positions over the years, and some have started and managed their own companies.

## Contact Information

Dr John Wood  
Department of Chemistry  
T: 021 433 5870  
E: [john.wood@cit.ie](mailto:john.wood@cit.ie)

## Question Time

### I didn't study Chemistry for the Leaving Certificate, am I at a disadvantage?

No – the fundamentals of the three Leaving Certificate science subjects are delivered during the first semester, with chemistry being further developed as the course progresses.

### What is the difference between CR 340 and CR 007?

Students commencing on the CR 007 route will have completed the ordinary BSc Degree in 3 years, while those starting on CR 340 will take 4 years to complete the Honours BSc Degree, with significant additional material being delivered in the fourth year to achieve the higher level award.

### What personal skills are most suited to the course and subsequent careers?

Numeracy, accuracy, precision; good practical and manipulative skills; an analytical approach to problem-solving, i.e. the ability to relate a numerical answer to the physical reality that it represents.

**myCIT**  
**myCareer**

**Aileen Cremin**  
Quality Control Specialist



"I graduated with the BSc in Analytical and Pharmaceutical Chemistry, and then completed the BSc (Honours) ACQUA the following year. I then worked for Pfizer Ireland Pharmaceuticals, based in the Quality Control Laboratory as part of the finished products team.

The position of a quality control specialist has plenty of variety and challenges, with many opportunities to get involved in different areas within the pharmaceutical manufacturing industry. I use a lot of what I learned in my Degree when dealing with my daily workload, but I appreciate it even more when troubleshooting the problems that arise from time to time."

Open Day 22 & 23 November



# Instrument Engineering (Honours)

## CR 360 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Instrument Engineering

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 320 / Final: 320

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Instrument Engineering?

Instrument Engineering is the multi-disciplinary specialisation centred on the principles of operation and applications of the diverse instrumentation used to measure, control and automate processes and systems throughout industry and society. Within process industries such as pharmaceuticals, biotechnology, food, beverages and water, instrument engineering contributes significantly to quality, safety, productivity and efficiency.

### Helpful Leaving Certificate Subjects

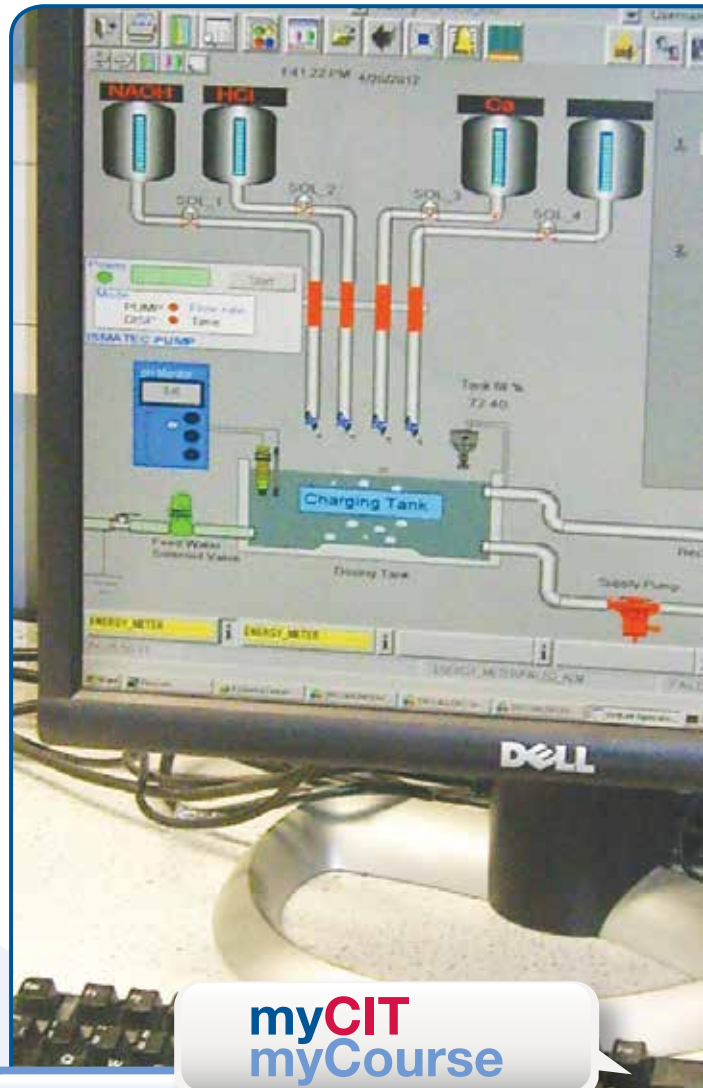
Physics, Engineering, Technology, Chemistry, and Mathematics.

### Work Placement

There is a mandatory 8 week placement in Year 3.

### Potential Areas of Employment

- Instrument Engineering
- Automation Engineering
- Control Engineering
- System Integration
- Engineering Consultancy



myCIT  
myCourse

*"I chose Instrument Engineering because of the high practical content and the use of continuous assessment. I recommend this course to anyone interested in Instrumentation."*

**Ross Kinirons**



[www.cit.ie/course/CR360](http://www.cit.ie/course/CR360)

## Module Information

<http://modules.cit.ie/cr360>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This multi-disciplinary course provides a comprehensive foundation of physical science, mathematics, electronics, measurement technology and information technology on which a range of specialist instrument engineering modules are developed. There is a continual emphasis throughout the course on the design standards and best practice relevant to instrument engineering.

During the placement in Year 3, students will gain direct experience in the practice of instrument engineering within an industry, organisation or research group. It may be possible for the placement to be in an international location.

In the final year of the course there is a major project in the area of instrument engineering. Graduates will be able to design, develop and implement measurement and control systems. Graduates will also be able to manage, evaluate and critically analyse complex instrumentation and process control installations. The course is presented through a mix of formal lectures and practical sessions.

## Accreditation

This Honours Degree is recognised by the Institute of Physics. Graduates of recognised Degrees qualify for Associate Membership upon graduation and may apply for full Membership after appropriate work experience.

The Institute of Physics provides routes for suitably qualified and experienced Members to become Chartered Physicists and Chartered Engineers. Further details can be found on the Institute of Physics website.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Graduates are eligible to apply for a postgraduate degree by research at CIT at Master's (MSc) or Doctoral (PhD) levels.

## Career Opportunities

Graduates typically work as Instrument Engineers, Automation Engineers or Control Engineers within chemical, pharmaceutical, biotechnology, oil/gas, food, beverage and water treatment companies that use instrumentation to improve productivity, safety, reliability, quality, etc.

Significant employment opportunities exist for graduates in the many companies that design, manufacture and supply instrumentation to the above industries as well as with the engineering consultancies and systems integrators who provide such industries with turn-key solutions to their manufacturing challenges.

## Contact Information

James Barrett  
Department of Applied Physics and Instrumentation  
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## Question Time

### Is this a Science course or an Engineering Course?

This is a multi-disciplinary course with a mix of science and engineering modules. This broad base provides graduates with a skill-set that provides a wide range of employment opportunities and the ability to adapt to rapidly changing technologies.

### What level of Mathematics is recommended?

Honours Mathematics is not required, but as with all physical science and engineering courses numeracy is essential and you need to be comfortable with Mathematics.

### What personal skills are most suited to the course and subsequent careers?

Motivation, initiative, dependability, commitment, analytical ability.

### What should my interests be?

How things work, problem-solving and meeting technical challenges.

### Where am I likely to work?

There are excellent employment opportunities locally, nationally and internationally for graduates. These opportunities are in pharma/chem, biotech and other process industries. Employment is either directly with these companies or in the systems integrators and engineering consultancies that support these companies.



Open Day 22 & 23 November

# Environmental Science & Sustainable Technology (Honours)

## CR 365 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Environmental Science & Sustainable Technology

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 310 / Final: 310

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Environmental Science & Sustainable Technology?

The protection of the environment and the promotion of sustainable development are central to national and global economies. As the world's industries and markets become greener, the need for scientists who specialise in environmental science and sustainable technology will continue to grow. The aim of this course is to produce graduate scientists for a range of interesting careers within the smart green economy.

### Helpful Leaving Certificate Subjects

Physics, Chemistry, Technology, Geography, Mathematics, and Biology.

### Work Placement

There is a mandatory 8 week work placement in Year 3.

### Potential Areas of Employment

- Green Consultancy
- Environmental Management
- Green Auditing
- Energy Auditing
- Carbon Footprint Reduction
- Waste and Emissions Reduction



**myCIT**  
**myCourse**

*"I chose Environmental Science and Sustainable Technology due to the long term employment potential within the environmental sector. The course has provided me with an objective view of environmental and sustainable issues which will ultimately prepare me for my future career."*  
**Barry O'Donovan**



[www.cit.ie/course/CR365](http://www.cit.ie/course/CR365)



## Module Information

<http://modules.cit.ie/cr365>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course provides a comprehensive foundation in the physical sciences of physics and chemistry together with modules in mathematics, instrumentation, computer technology and biology. There is a continual green ethos throughout the course to stimulate graduates to become champions of sustainability by the provision of green technical and green managerial modules. There are modules covering recycling, reduction, reuse, water quality and air quality to ensure that graduates are fully up-to-date with the legal, economic and technical aspects of these key topics.

In addition to the scientific and technical modules there are a number of modules to develop competences in report writing, presentation skills, communication skills, research and team work. Furthermore, there is an emphasis on enquiry and project-based learning throughout the course to encourage enterprise, independent learning and innovation. In the final year of the course there is a major project in the area of environmental science and sustainable technology.

In Year 3, students are placed in an environmental science and sustainable technology role within an industry, organisation or research group. It may be possible for the work placement to be in an international location.

## Accreditation

This Honours Degree is recognised by the Institute of Physics. Graduates of recognised Degrees qualify for Associate Membership upon graduation and may apply for full Membership after appropriate work experience.

The Institute of Physics provides routes for suitably qualified and experienced Members to become Chartered Physicists and Chartered Engineers. Further details can be found on the Institute of Physics website.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitable qualified graduates are eligible to apply for a postgraduate degree by research at CIT at Master's (MSc) or Doctoral (PhD) levels.

## Career Opportunities

Green employment opportunities and the range of green careers are growing. Being multi-skilled and interdisciplinary, graduates of this course can expect to find excellent employment opportunities, nationally and internationally, in areas such as green consulting, environmental management, environmental consulting, green auditing, energy auditing, environmental monitoring, waste and emissions reduction, energy generation using sustainable technologies, carbon footprint reduction, research & development and business development.

## Contact Information

Eamonn Butler  
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## Question Time

### What is the difference between this course and other green courses?

This multi-disciplinary course is quite different to other green courses. It has a broad foundation of physical science and mathematics coupled with a range of green technical modules and green managerial modules. This mix of physical science and green management is unique and quite different to energy engineering courses and traditional environmental science courses.

### How comfortable do I need to be with physics?

This course is based on the physical sciences and therefore physics and chemistry are important. Physics at Leaving Certificate level is helpful but not essential as the key content in physics is covered in year one of the course.

### What should my interests be?

A strong interest in contributing to the protection of the environment and developing sustainable solutions for industry and society.

### Where am I likely to work?

The broad multi-disciplinary nature of this course provides graduates with a wide range of employment opportunities throughout industry and society. Some of these opportunities will be in green-tech industries (services, recycling, energy, water, etc.). California is the greenest economy in the world and 40% of the green jobs there are in consultancy. A similar trend is expected in Ireland.



Open Day 22 & 23 November

# Applied Physics and Instrumentation

## CR 001 Level 7 Award

- >> Progression to Honours Degrees and Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Applied Physics and Instrumentation

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 295 / Final: 295

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Applied Physics and Instrumentation?

As the science which deals with fundamental physical concepts, such as energy, force and time, physics is at the heart of everything in the natural world such as gravity, heat and light. Applied Physics is the term used when we apply these concepts, and thus Applied Physics is at the heart of everything in the man-made world. Instrumentation is the specific technology that allows us to measure and control a wide range of physical and other quantities that are essential to life today.

Safety, reliability, productivity, efficiency, sustainability and economy, for example, are underpinned by instrumentation. Communications, healthcare, oil & gas exploration, energy generation, transportation, food safety and research & development are examples of sectors that are increasingly dependent on instrumentation. Quite simply, instrumentation makes things happen!

### Helpful Leaving Certificate Subjects

Physics, Engineering, Technology, Chemistry, and Mathematics.

### Work Placement

There is a mandatory work placement of 8 weeks in Year 3.

### Potential Areas of Employment

- Calibration
- Instrument/Automation/Control Engineering
- Research and Development
- Metrology



myCIT  
myCourse

*"I chose Applied Physics and Instrumentation as there is a wide range of employment opportunities afterwards."*  
**Joanne Riordan**



[www.cit.ie/course/CR001](http://www.cit.ie/course/CR001)

## Module Information

<http://modules.cit.ie/cr001>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The aim of this course is to prepare graduates for a range of technical positions within the multi-disciplinary field of Applied Physics and Instrumentation. Whilst there is particular emphasis on employment within process industries, such as chemical, pharmaceutical, biotechnology, food, beverage and water, graduates are well equipped for employment in other sectors such as computers, medical devices and microelectronics, as well as in hospitals and in research and development.

Graduates will acquire comprehensive knowledge of process control, quality and safety systems in the context of the operations of process industries and the nature of their products. They will also be able to diagnose problems and implement solutions for a wide range of instrumentation systems used to measure and control technical processes.

In Year 3, students are placed in an applied physics and/or instrumentation role within an industry, organisation or research group. It may be possible for the placement to be in an international location.

## Accreditation

This Degree is recognised by the Institute of Physics. Graduates of recognised Degrees qualify for Associate Membership upon graduation and may apply for full Membership after appropriate work experience.

The Institute of Physics provides routes for suitably qualified and experienced Members to become Chartered Physicists and Chartered Engineers. Further details can be found on the Institute of Physics website.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for entry to Year 4 (final) of

- Bachelor of Science (Honours) in Instrument Engineering or the one year add-on
- Bachelor of Science (Honours) in Applied Physics and Instrumentation

## Teaching

The Bachelor of Science (Honours) in Applied Physics and Instrumentation is recognised by the Teaching Council for the Teaching of Physics and Applied Mathematics in second level schools. As with other Degrees, a training and teaching qualification such as a Professional Diploma in Education (PDE) is also required.

## Career Opportunities

Whilst many of the graduates of this course progress to an Honours Degree, there are many immediate employment opportunities locally, nationally and internationally. Graduates typically work as junior instrument, control or automation engineers, metrology specialists, calibration specialists and research and development technologists.

## Contact Information

Richard Peard  
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## Question Time

### Is this course an extension of Leaving Certificate Physics?

Whilst Physics at Leaving Certificate level is helpful, it is not essential as the key content in Physics is covered in Year 1 of the course.

### What personal skills are most suited to the course and subsequent careers?

Motivation, initiative, dependability, commitment, and analytical ability.

### What should my interests be?

How things work, problem-solving and meeting technical challenges.

### Where am I likely to work?

There are excellent employment opportunities locally, nationally and internationally for graduates in Applied Physics and Instrumentation. Whilst many of these opportunities are in pharmaceutical, biotech and other process industries, graduates have found employment in other manufacturing sectors such as computers, medical devices and microelectronics, as well as in hospitals, and in research and development.

**myCIT**  
**myCareer**

**Colin Horgan**  
Automation Engineer



"I completed the BSc in Applied Physics & Instrumentation in 2010 and progressed to the final year of the BSc (Honours) in Applied Physics & Instrumentation where I specialised in Instrument Engineering. Within three weeks of completing my Honours Degree I had three offers of employment. In July 2011 I joined Rockwell Automation Ireland as an Automation Engineer and have been working on automation projects for different clients with particular emphasis on programmable logic controllers (PLCs). I have also been working on distributed control systems (DCSs). While I found myself on a steep learning curve in industry, the familiarisation with the hardware and software of PLCs and DCSs provided by the course proved invaluable and very much eased my transition from college to industry."

Open Day 22 & 23 November



# Applied Biosciences

## CR 006 Level 7 Award

- >> Progression to Honours Degrees & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Depends on Specialisation. Choose from:

- Bachelor of Science in Food & Health Science
- Bachelor of Science in Applied Biosciences & Biotechnology

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 290 / Final: 290

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Applied Biosciences?

Applied Biosciences is the study of complex biological systems, and how they work, for example how bacteria generate energy from the breakdown of sugars. Applied Biosciences also involves the use of living organisms and bioprocesses in engineering, technology, medicine and agriculture – in other words, the application of scientific and technical advances in the life sciences to develop commercial products.

### Helpful Leaving Certificate Subjects

Chemistry, Biology, Physics and Mathematics.

### Work Placement

There is a mandatory work placement of a minimum of 16 weeks in Year 3.

### Possible Areas of Employment

- Pharmaceutical Industry
- Food and Healthcare Industries



**myCIT**  
**myCourse**

*"The course provides a fantastic range of both lectures and labs that are delivered by dedicated and approachable lecturers who are both interested in what they teach and up-to-date in their course material. The work placement element in Year 3 provides a great opportunity to experience a real working environment."*

**Chloe Huseyin**



[www.cit.ie/course/CR006](http://www.cit.ie/course/CR006)

## Module Information

<http://modules.cit.ie/cr006>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

In CR 006 Applied Biosciences, Years 1 and 2 are common. Students will not be required to choose their preferred qualification (Food & Health Science or Applied Biosciences and Biotechnology) until the beginning of Year 3.

Knowledge of environmental science, analytical techniques, quality management and bioprocessing are seen as key requirements and these disciplines are studied in detail. Laboratory work forms a substantial part of the course. The development of high-level laboratory skills and the ability to use them in the service of advanced industrial biology are key aims of the course. Opportunities currently exist for a number of students on courses to participate in EU funded exchange programmes involving colleges and enterprises in Europe.

**The Bachelor of Science in Applied Biosciences and Biotechnology** meets the demands of biotechnology, food and pharmaceutical industries for technologists and analysts. In addition, the requirements of the services and research laboratories for staff trained in advanced biologically based analytical techniques are met by graduates of the course.

**The Bachelor of Science in Food & Health Science** meets the changing needs of the Food, Pharmaceutical and Biotechnology industries for technicians and analysts. Graduates are in great demand from multinational pharmaceutical companies, as well as the traditional employers in the food and drink sectors.

Advanced manufacturing in the food, health care, cosmetic, pharmaceutical and chemical industries have been employment destinations for graduates of this course as well as state and local authority laboratories.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates of the BSc in Food & Health Science may apply for entry to Year 4 of

→ BSc (Honours) in Nutrition & Health Science

Suitably qualified graduates of the BSc in Applied Biosciences & Biotechnology may apply for entry to Year 4 of

→ BSc (Honours) in Pharmaceutical Biotechnology

## Career Opportunities

Graduates from this course have traditionally gained employment in the Pharmaceutical, and Food and Healthcare industries, where graduates function in a variety of roles including; quality analysts, microbiologists, purification specialists, researchers and technicians. Graduates also have the option to progress to further academic studies at Level 8 within the Department of Biological Sciences.

## Contact Information

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## Question Time

**If I am not sure what area of Biological Sciences I'd like to specialise in, would this be a good course choice for me?**

This course provides a broad grounding in the core principles of the biological sciences; allowing students to gain a solid understanding of core concepts and techniques for two years before deciding to specialise in their chosen field in Year 3.

**What personal skills are most suited to the course and subsequent careers?**

The best students and professional biotechnologists all possess a keen interest in biology and a desire to understand how complex biological processes work.

**myCIT**  
**myCareer**

**Jurate Daugelaite**  
Postgraduate Student



Following the BSc in Applied Biosciences and Biotechnology in 2009, Jurate undertook the BSc (Honours) in Pharmaceutical Biotechnology.

She is currently pursuing the MSc in Computational Biology, a one year taught Master of Science programme at CIT's Department of Biological Sciences and hopes to progress further to PhD level on completion of the Masters.

Open Day 22 & 23 November

# Biomedical Science (Honours)

## CR 320 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Biomedical Science

**Duration:** 4 Years (8 Semesters)

**Places:** 30

**Campus:** CIT and UCC

**CAO Points in 2012:** Round 1: 525 / Final: 520

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English and Irish Grade
4	2 (Note 1)	D3 (O/H)	D3 (O/H)

**Note 1:** A C3 at Higher Level must be obtained in a Laboratory Science subject (from Chemistry, Physics, Biology or Physics and Chemistry (joint)).

NB: Agricultural Science is accepted as a subject and attracts CAO points, but does not meet the requirement for the Laboratory Science Higher C3 subject.

### What is Biomedical Science?

Biomedical Science is the term for the investigations carried out by Biomedical Scientists on samples of tissue and body fluids to diagnose disease and monitor the treatment of patients.

### Helpful Leaving Certificate Subjects

Chemistry, Biology, Physics, Mathematics and English.

### Work Placement

This work placement (clinical placement) is offered post-gradually and is optional. However, in order for graduates to be eligible to work as Medical Scientists in hospitals in Ireland, they must have completed a clinical placement training which takes a full academic year.

### Potential Areas of Employment

- Medical Scientist in Hospitals
- Biopharmaceutical & Biotechnology Industries
- Public Health
- Sales & Marketing of Medical Products



**myCIT**  
**myCourse**

*The extensive laboratory training incorporated throughout the course combined with the clinical placement in a teaching hospital, allows me to become proficient in all disciplines of medical science. Each student was well known by lecturing staff which aids the learning process immensely as information and advice can be obtained easily."*  
**Laura O'Brien**



[www.cit.ie/course/CR320](http://www.cit.ie/course/CR320)



## Module Information

<http://modules.cit.ie/cr320>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This Honours Degree course is offered jointly by Cork Institute of Technology and University College Cork. Biomedical scientists work in partnership with doctors and other health-care professionals to perform many different roles in medical laboratories. Biomedical Science is a continually changing dynamic profession and involves study of the diverse areas of medical science including Biochemistry, Microbiology, Cellular Pathology, Haematology and Transfusion Science. It provides training in state-of-the-art technologies to facilitate investigation of disease and medical research.

## Accreditation

This Honours Degree course with clinical placement is fully accredited by the Academy of Medical Laboratory Sciences (AMLS).

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

The CIT/UCC joint BSc (Honours) Degree in Biomedical Science is one of only three Honours Degrees in the Republic of Ireland which are recognised by the Academy of Medical Laboratory Sciences (professional body) as enabling graduates to practise in hospitals in the State. However, this BSc (Honours) must be accompanied by clinical placement training. Graduates of the BSc (Honours) will be offered the opportunity to complete this placement in a designated hospital laboratory.

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- MSc in Biomedical Science (Taught)
- MSc in Computational Biology (Taught)
- MSc (by Research)
- PhD

## Career Opportunities

Biomedical Science prepares the student for a career in laboratory medicine and related areas in the health-care industry and biopharmaceutical industry. Biomedical Science graduates work as Medical Scientists in hospitals, and in research, the biopharmaceutical and biotechnology industries, public health and sales and marketing of medical products.

## Contact Information

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## Question Time

### What do you need to work as a Biomedical Scientist in Ireland?

Graduates with a BSc (Honours) in Biomedical Science from CIT/UCC, GMIT, or DIT, who have completed clinical placement are eligible for membership of the Academy of Medical Laboratory Science, which qualifies the graduate to practice as a Biomedical Scientist.

### Is it an advantage to have Chemistry and Physics coming into the course?

It is always an advantage to have Chemistry and Physics coming into a course such as Biomedical Science. However, it is feasible to take up one or both of these subjects on entry to the course, and the first year programme is tailored to support students who enter the programme without prior knowledge of these subjects.

### What kind of person should you be?

This profession requires scientists who are mindful of their responsibility when dealing with human health. It also means that they are often privy to information concerning patients that they cannot divulge for ethical reasons other than in the course of their work.

### What is the time divide between CIT and UCC?

The programme for the BSc (Honours) in Biomedical Science is taught equally by CIT and UCC, so this means that the students will expect to spend some days in one institution or the other. The timetable is arranged to minimise travel between the two colleges.

**myCIT**  
**myCareer**

**Dr Annmarie Mollaghan**  
Medical Scientist



Having completed the BSc (Honours) in Biomedical Science in Cork, Annmarie began work as a Medical Scientist in the Microbiology Department of St. James's Hospital in Dublin until she embarked on a postgraduate research scholarship at CIT in 2008.

During the intervening period, until her graduation in October 2011 with a PhD in Molecular Biology, Annmarie also undertook short part-time locum positions as a Medical Scientist in the Irish Blood Transfusion Service (IBTS) in Cork, and in the Microbiology Department of the Bon Secours Hospital in Cork. She currently works as a Medical Scientist in the Microbiology Department of the Cork University Hospital.

Open Day 22 & 23 November

# Herbal Science (Honours)

## CR 330 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Herbal Science

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 265 / Final: 265

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Herbal Science?

The Herbal Science programme covers all aspects of herbs and natural products with applications in the healthcare, food, cosmetic and biopharmaceutical industries.

### Helpful Leaving Certificate Subjects

Biology, Chemistry and Mathematics.

### Work Placement

There is a mandatory work placement of 10 weeks in Year 3.

### Non-Standard Applicants

Encouragement will be given to non-standard applicants, including mature students, to enter the course. In the case of these applicants, their academic qualification and recognised prior learning (RPL) will be assessed and evaluated by the Department of Biological Sciences. It is anticipated that up to 30% of places will be offered to non-standard applicants.

### Potential Areas of Employment

- Healthcare, Biopharmaceutical and Cosmetic Industry
- Food and Nutraceutical Industry
- Plant Production and Natural Product Ingredient Manufacture
- Clinical Herbal Medicine after further training



*"Although this course specialises in the science of herbs and natural products it offers a broad range of subjects that can be applied to other fields of science. I cannot recommend this course highly enough, the skills and knowledge learned are very valuable."*

**Niamh O'Brien**



[www.cit.ie/course/CR330](http://www.cit.ie/course/CR330)

## Module Information

<http://modules.cit.ie/cr330>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The main core of the programme is focused on the production, characterisation and applications of herbal extracts and natural products that are ingredients used in medicinal, pharmaceutical, cosmetic and food industries. The Herbal Science course is structured along streams of study based on plant science and plant production, human body systems, food and nutrition, and herbs and natural product applications.

The specific biological subjects are supported by more general analytical techniques and foundation skills that provide our graduates with broad scientific education while retaining an appropriate level of specialisation to offer a wide range of opportunities in industry, in research or in business development.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitable qualified graduates may progress to academic qualifications in a number of areas which include plant science, pharmacy, ethnobotany, microbiology, and pharmacognosy at Master's and Doctoral Degree level.

The course gives the educational foundation necessary to pursue a career as a medical herbalist. The IIMH accepts and recognises this BSc Honours Degree as constituting Part 1 of its professional training requirement for qualification as a medical herbalist/practitioner in Ireland. Further study/training is required to achieve Part 2 of the IIMH professional requirements. The course also provides the student with an enormous opportunity to develop the skills necessary to commence herbal research or clinical training at an advanced level.

## Career Opportunities

Graduates can expect to work in a variety of sectors including the Healthcare/Cosmetic Industry; Food Industry/ Nutraceutical Industry; Biopharmaceutical Industry; Quality Control/Analysis; and Medicinal Plant Production.

## Contact Information

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Department of Biological Sciences  
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## Question Time

### When I graduate, will I be based in a Lab?

Graduates can work in a variety of settings from growing herbs and extracting natural products to manufacturing and production in a range of industries (cosmetic, biopharmaceutical, food, etc.). You can choose to work in a lab undertaking research and product development or quality control. You can make other choices based on the modules covered in this course for a wide variety of career options and work placements.

### What postgraduate qualification do you need to be qualified as a Herbalist?

There are a number of options available to graduates when it comes to postgraduate study, including professional training in Herbal medicine. If you choose to specialise in Herbal Medicine you will need further specialist postgraduate training accredited by the professional body that can be contacted for further information.

Alternatively you can pursue a research Master's through CIT's Graduate School which can be based in any one of a number of life science disciplines. From this you may choose to pursue a structured PhD such as the ED4LIFE programme which includes the tradition of original research but offers graduates a range of generic and subject specific skills so that they are industry ready upon graduation. Generic modules include entrepreneurship, communications, personal effectiveness, and research methodology.

Many other postgraduate opportunities can be availed of in other third level institutions in Ireland and abroad.

**myCIT**  
**myCareer**

**Tracey Ryan**  
Company Owner



Tracey graduated in 2011 and has set up her own business, Bia Beauty.

"I really enjoyed the broad range of subjects studied on the Herbal Science Degree, from Botany to Biochemistry. But what really helped me was the emphasis on Innovation, Entrepreneurship, and Product and Process Development.

It was here that I got a taste of business from which I have now set up my own company making and selling natural cosmetics. This Degree has prepared me in many ways to run my business, from selecting appropriate herbs, to researching their benefits and creating a suitable manufacturing environment."

Open Day 22 & 23 November



# Nutrition & Health Science (Honours)

## CR 333 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Nutrition & Health Science

**Duration:** 4 Years (8 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 340 / Final: 340

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Nutrition & Health Science?

This course is designed to meet the need for technically competent managers, analysts and officers in the design, development, production, and upgrading of products which are ingested, injected, implanted, inhaled, inserted or topically applied to the bodies of humans or animals for the maintenance, restoration and promotion of their health and wellbeing.

### Helpful Leaving Certificate Subjects

Biology and Chemistry.

### Work Placement

There is work placement of a minimum of 16 weeks in Year 3.

### Possible Areas of Employment

- Research Scientist in food, pharmaceutical, and related healthcare industries
- Production, Management and Marketing in food, nutraceutical and related healthcare industries
- Governmental agencies responsible for food
- Quality Assurance



myCIT  
myCourse

*I'm delighted I chose this science course as it is very broad with modules ranging from Animal Physiology and Nutrition to Bio-Analytical Science. It offers great experience in laboratories where we get to carry out experiments nearly five days a week. It's always nice when a lecturer recognises you by name, something very common in CIT.*  
**Anne Bourke**



## Module Information

<http://modules.cit.ie/cr333>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

First and second year modules provide the student with a strong foundation in nutrition as well as other biological science modules such as cells, microbiology, biochemistry, biotechnology and science of food and health.

Third and fourth year cover more specialised topics such as food and healthcare chemistry, toxicology and microbiology, clinical nutrition and population health, health products regulation, biomanufacturing and food processes as well as food innovation. The lectures are supplemented with relevant case studies, projects, assignments and there is a strong focus on gaining in depth practical experience in the laboratory.

The work placement module is an integral and essential part of the course programme in which the student is introduced to a structured work environment. The student develops an understanding of the organisation, practices and procedures current in the organisation and the area of activity in which it is involved.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

This course is an excellent platform for further studies, both in terms of short add-on courses, and more structured post graduate degrees such as Master of Science and PhD programmes.

## Career Opportunities

It is envisaged that a graduate of this course will be employed in any sector of the Food/Nutraceutical or Healthcare Industries. Areas such as: management, development, production, quality assurance or marketing of products and/or services for the Food, Nutrition, Medical Devices, Cosmetic, Pharmaceutical, Animal feed and Veterinary Care sectors. In addition, there are employment opportunities within governmental agencies responsible for food. Nutrition & Health Science Degree graduates have many opportunities to engage in continued education and training (e.g. pursue a career in Dietetics).

## Contact Information

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## Question Time

### Can I become a Dietician from CR 333?

Completion of the BSc (Honours) in Nutrition & Health Science does not qualify the graduate to practice as a Dietician. However, graduates of the course CR 333 can undertake further studies in other third-level institutes to pursue a career as a Dietician.

### What personal skills are most suited to the course and subsequent careers?

Individuals pursuing a career in Nutrition & Health Science should be dedicated, logical, analytically minded, good with people, a team player, have good attention to detail and excellent organisational skills.



**myCIT**  
**myCareer**



**Julie Grace**  
Postgraduate Student

"I found first and second year covered a wide range of subjects which gave me a great understanding and foundation in Nutrition & Health Science.

I gained excellent laboratory experience, which I was able to demonstrate in my third year work placement in Canada. I am currently studying for a Master's in Food Science, from which I hope to gain employment in the area of quality assurance in a food related industry.

Overall, I would highly recommend this course and thoroughly enjoyed my time in CIT."

Open Day 22 & 23 November

# Pharmaceutical Biotechnology (Honours)

## CR 325 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Pharmaceutical Biotechnology

**Duration:** 4 Years (8 Semesters)

**Places:** 25

**CAO Points in 2012:** Round 1: 300 / Final: 300

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Pharmaceutical Biotechnology?

Many modern medicines such as vaccines, hormones, anti-cancer drugs are now made using biological cells. Insulin for example, which is used by diabetic patients worldwide is made using living cells as opposed to more traditional chemical synthesis based methods. This means there is a strong demand for biologists who can design innovative new medicines using biological approaches, and who have the skills to work with cells and the bio-active compounds they produce. This biotechnology course will teach students how to grow and engineer biological cells in order to make safe and effective medicines using the most up-to-date information and technologies available.

### Helpful Leaving Certificate Subjects

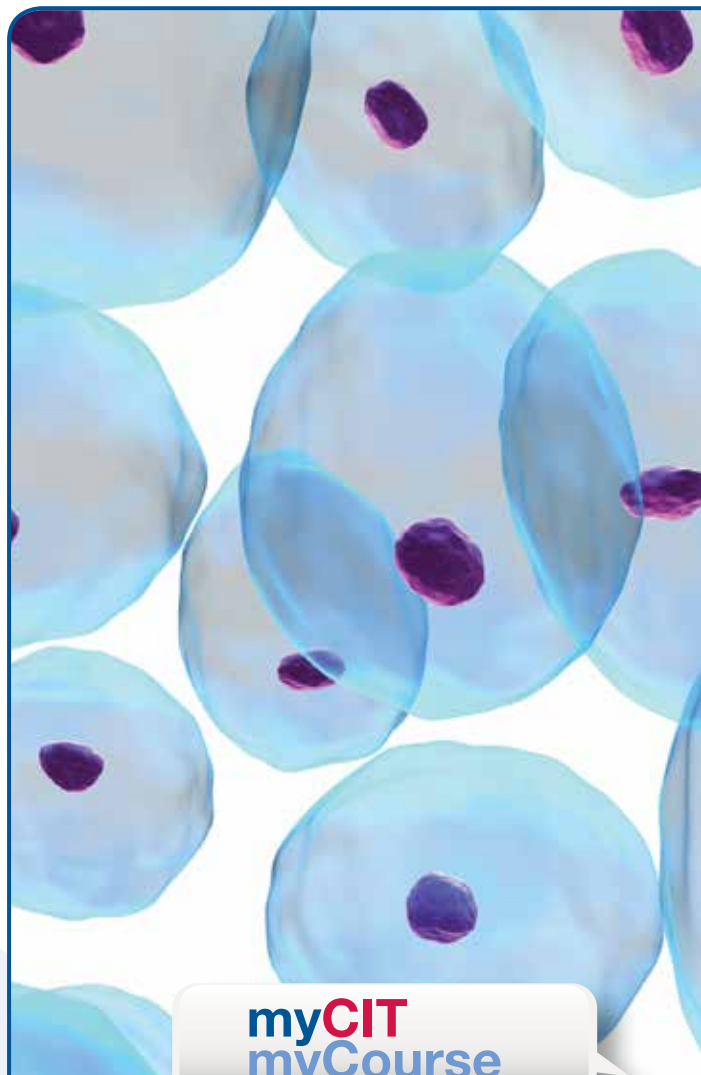
Biology and Chemistry.

### Work Placement

There is a mandatory work placement of a minimum of 16 weeks in Year 3.

### Potential Areas of Employment

- QC Analyst
- Microbiologist
- Bio-assay Specialist
- Research and Development



myCIT  
myCourse

*"This course provides you with great career opportunities. After graduation, I qualified for a research grant which allowed me to pursue my dream of getting a PhD."*

**Monika Koziel**



[www.cit.ie/course/CR325](http://www.cit.ie/course/CR325)



## Module Information

<http://modules.cit.ie/cr325>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course content is specifically designed to meet the needs of the many relevant employers both nationally and internationally, and contains topical, cutting edge, industry specific material. The lectures are supplemented with in-depth analysis of relevant case studies, projects, assignments, interactive videos, web tools and site visits. At least 50% of the contact time is spent in the laboratory gaining practical experience.

Work Placement is a mandatory part of this course. In Year 3, students will spend a minimum of 16 weeks in a local, national or internationally approved work environment.

Many of the world's top Biotechnology companies have a strong presence in Ireland. In general, the industry is moving towards a more "bio-based" approach to pharmaceutical manufacture. Consequently, there is a greater need to produce highly trained graduates who possess Pharmaceutical Biotechnology related skills. This course is designed to specifically meet this need.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

This course is an excellent platform for further studies, both in terms of short add-on courses, and more structured postgraduate degrees such as Master of Science and PhD programmes.

## Career Opportunities

This course is very broad and is specifically designed to train students in all aspects of modern biotechnology. Graduates from this course are qualified to work in a number of areas within the biotechnology industry with many attaining employment immediately after graduating.

## Contact Information

Dr Jim O'Mahony  
Department of Biological Sciences  
T: 021 433 5485  
E: [jim.omahony@cit.ie](mailto:jim.omahony@cit.ie)

## Question Time

### Does this course qualify me as a Pharmacist?

No. It trains you to work in the biotechnology industry where modern bio-medicines are discovered and made such as vaccines, hormones, antibodies and therapeutic enzymes.

### What personal skills are most suited to the course and subsequent careers?

Good organisational skills, technical ability, team-working and ability to work to deadlines.

### Is the biotechnology industry secure?

Pharmaceutical exports from Ireland typically exceed €24 billion per year. Approximately 25% of all US biotechnology based imports come from Ireland. Despite the current economic situation, biotechnology is still very vibrant and remains one of the biggest national employers.



**myCIT**  
**myCareer**

**Colm O'Shea**  
Quality Control Analyst



"I completed a BSc (Honours) in Pharmaceutical Biotechnology at CIT in 2009. The course content and quality of lecturing were of a high scientific standard and I was much sought after by many of the multinationals here in Ireland. The work placement aspect of this course was invaluable in preparing me for the real working environment and provided a useful practical knowledge base. With the support and the quality of the lectures at CIT, I was well equipped with the scientific knowledge and technical ability for a successful career. Shortly after graduating, I secured employment as a Cell Culture Scientist at Pfizer Biotechnology facility in Dublin. I have since moved to Janssen Biologics where I have a full-time position as a Quality Control Analyst in the Pharmaceutical Development and Manufacturing Science Department."

Open Day 22 & 23 November

# Software Development (Honours)

**CR 106** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Software Development

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 300 / Final: 300

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or B3 (O)	D3 (O/H)

## What is Software Development?

Software Development courses provide graduates with the skills and knowledge to design and create the applications that people use every day. People use applications on computers, phones, internet and other devices.

## Helpful Leaving Certificate Subjects

English, Science, Mathematics, and Engineering.

## Work Placement

There is a mandatory work placement of 5 months in Year 3.

## Possible Areas of Employment

- Software Developer
- Web Developer
- Software Testing

**myComputing  
myChoice**

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



**myCIT  
myCourse**

*"This course gave me a great opportunity to gain solid programming skills as well as a good understanding of databases and networking. With the variety of subjects offered you will not be bored."*

**Anna Gedek**



[www.cit.ie/course/CR106](http://www.cit.ie/course/CR106)

## Module Information

<http://modules.cit.ie/cr106>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The key to this Honours Degree lies in its broad range of modules. It is designed to give the student a strong understanding of how computers and the Internet work. It teaches students to take a concept for an application from a drawing to a fully functioning application. Elective modules throughout the course allow the student to specialise in particular areas of their choice e.g. mobile applications, web development, and web security.

In addition to pure computing modules, CIT includes communication and management modules to develop other skills that will be useful for a career in computing.

In Year 3, students are in industry for five months. The placement runs from April to August inclusive. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students have been placed in France, Germany, Sweden and the USA.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for postgraduate research degrees at Master's (MSc) or Doctoral (PhD) level where further specialisation in your preferred area of computing is possible. Suitably qualified graduates may also apply to:

- Postgraduate Diploma in Networking and Security
- MSc in Software Development (Taught)
- MSc in Networking and Security (Taught)
- MSc in Cloud Computing (Taught)

## Career Opportunities

Graduates have taken software development jobs in large multinationals such as IBM, EMC<sup>2</sup> and Ericsson as well as in smaller indigenous Irish companies. Other students have taken jobs within large IT departments in companies within the Chemical, Pharmaceutical or Food Industry. Students have also moved into roles in System Administration, Customer Support or Software Testing. A percentage of students from the course have also chosen to take up jobs in the Software Industry abroad.

## Contact Information

Helen Fagan  
Department of Computing  
T: 021 433 5119  
E: [helen.fagan@cit.ie](mailto:helen.fagan@cit.ie)

## Question Time

### What makes CR 106 different from the other Computing Honours Degrees at CIT?

The focus is on acquiring the skills and knowledge required to become a software developer.

### What level of Programming is contained in the course?

Programming is seen as a core module in all semesters of the Degree. The students develop applications using a range of languages such as Java, C, PHP, and Python. They develop applications for the desktop, the web and for mobile devices. The key goal is to bring the student to a level where they are familiar with the tools and work practices used within the software industry today.

### Can I design and develop websites from this course?

Several modules are included in the Honours Degree which focus specifically on building websites. Other specialised modules are available as electives.

### Will I be designing Apps?

Two modules are available specific to developing applications for the Android Platform. In the past few years, many students have chosen to write mobile apps for their final year project.

### Can I go on to specialise in Cloud Computing?

Yes, having graduated with a BSc (Honours) in Software Development, it is possible to apply for entry to the taught MSc in Cloud Computing.

### Can I work in the Games Development Industry with this course?

Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.

**myCIT**  
**myCareer**

**Garry Bennett**  
Company Owner



"My first employment was with Yahoo! as a Junior Developer and within one year, I was promoted to Senior Developer. Another year on, I was promoted to Engineering Manager for the Travel and Autos categories. After 4 years with Yahoo!, I moved to Sydney and worked as Project Manager with a leading web development company – SydneyWeb. Due to my experience, I was entrusted with some of its largest and more complex projects which I found very rewarding. I returned to Ireland in December 2007 and launched [www.mytown.ie](http://www.mytown.ie). Both my Degree and practical experience aided the development and the launch of the website." At the 12th Annual Genesis Enterprise Programme (GEP) 2010 Awards & Showcase, Garry won the Business Development Achievement Award.

Open Day 22 & 23 November



# Software Development and Computer Networking (Honours)

**CR 116** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Software Development and Computer Networking

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 305 / Final: 305

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or B3 (O)	D3 (O/H)

## What is Software Development and Computer Networking?

This is a bi-focal course with equal emphasis on Software Development and Computer Networking. The aim of the programme is to produce software developers with general computing skills but with an emphasis on programming, analysis and design skills necessary for the creation of network/internet based applications. Graduates may also find employment in a wide range of industries as networking specialists.

## Helpful Leaving Certificate Subjects

English, Science, Mathematics, and Engineering.

## Work Placement

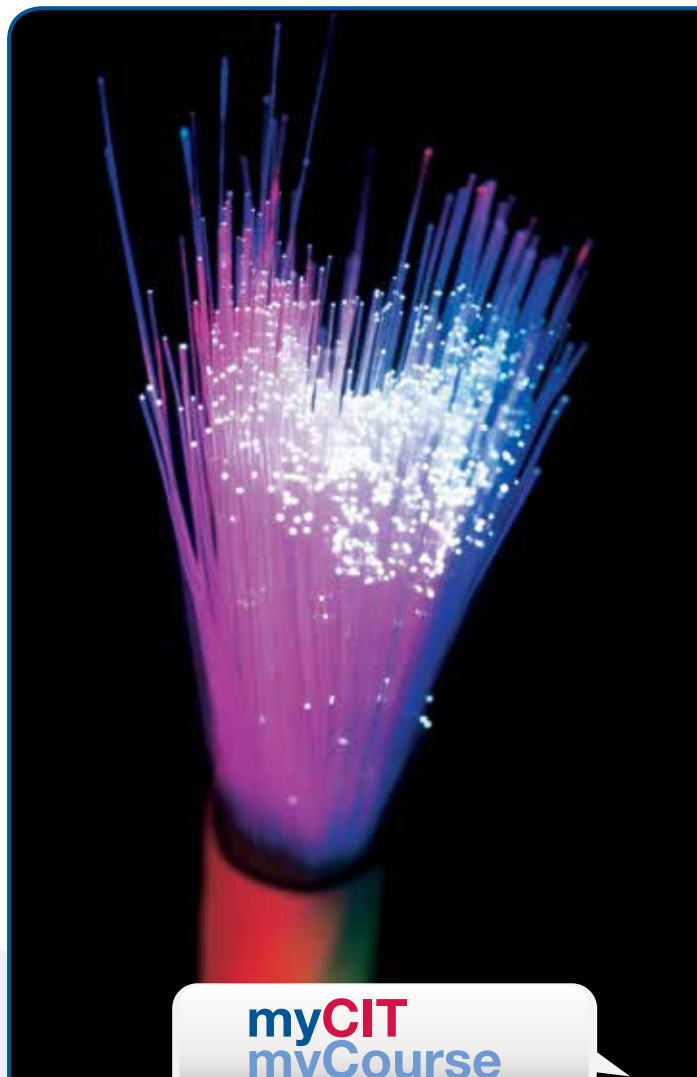
There is a mandatory work placement of 5 months in Year 3.

## Possible Areas of Employment

- Software Development
- Network Engineering
- Software Testing
- IT Support

**myComputing  
myChoice**

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



**myCIT  
myCourse**

*"I really enjoyed my course, I made some great friends, and through the wide range of modules I gained indispensable skills for today's jobs market. I would recommend this course to anybody with an interest in IT."*  
Megan Henchin



[www.cit.ie/course/CR116](http://www.cit.ie/course/CR116)

## Module Information

<http://modules.cit.ie/cr116>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

If you feel that you would be interested in planning and designing the computer networks used to allow computers communicate all over the world then apply for this course. You will also acquire excellent expertise in the design and development of computer software.

Students are in industry for five months during the third year of the course. The placement runs from April to August inclusive. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students have been placed in France, Germany, Sweden and the USA.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for postgraduate research degrees at Master's (MSc) or Doctoral (PhD) level where further specialisation in your preferred area of computing is possible. Suitably qualified graduates may also apply to:

- Postgraduate Diploma in Networking and Security
- MSc in Software Development (Taught)
- MSc in Networking and Security (Taught)
- MSc in Cloud Computing (Taught)

## Career Opportunities

Graduates of the course have found careers in a range of industries - such as networking, telecoms, data storage and finance - as Software Developers, Quality Assurance Engineers, Technical Trainers, and Support Engineers. Some have progressed into Project and People Management roles. Graduates have commented that the dual nature of the course and the variety between the modules, opened more doors to employment than a single-focused course could have.

## Contact Information

Jonathan Sherwin  
Department of Computing  
T: 021 433 5121  
E: [jonathan.sherwin@cit.ie](mailto:jonathan.sherwin@cit.ie)

## Question Time

### What makes CR 116 different from the other Computing Honours Degrees at CIT?

It has a stronger hardware and telecommunications emphasis, and uses mathematical abilities more.

### What level of Programming is contained in the course?

Programming and Software Development are a crucial part of the course, accounting for roughly a quarter of the mandatory modules.

### Can I design and develop websites from this course?

Yes, although it is not a primary focus of the course. The programming skills you will learn can be applied to web development, and the Web Development Fundamentals and Web Publishing modules in first year can be built on through choosing elective modules in Web Development in later years.

### Can I go on to specialise in Cloud Computing?

Yes, having graduated with a BSc (Honours) in Software Development and Networking, it is possible to apply for entry to the taught MSc in Cloud Computing.

### Can I work in the Games Development Industry with this course?

Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.

**myCIT**  
**myCareer**

**Donal Lynch**  
Software Engineer



"The work placement was of great benefit in which I was very fortunate to get the opportunity to work with Cisco Systems in San José, California. This was definitely one of the highlights of my four years spent in CIT.

Upon graduation, I rejoined Cisco Systems as a software engineer, this time in its newly established Research & Development Centre based in Galway. I'm currently working in the Unified Communications Business Unit where I apply both my knowledge on networking protocols and software design and development, all of which I acquired during my time spent in CIT."

Open Day 22 & 23 November

# IT Management (Honours)

**CR 310** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in IT Management

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 290 / Final: 290

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is IT Management?

IT Management is concerned with managing the IT services required by organisations. It is primarily focused on managing and implementing the IT infrastructure that provides these IT Services.

## Helpful Leaving Certificate Subjects

English, Science, Mathematics, Engineering and Business Studies.

## Work Placement

There is a mandatory work placement of 5 months in Year 3.

## Possible Areas of Employment

- IT Project Manager
- IT Security Engineer
- Network Manager
- System Manager

## myComputing myChoice

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



myCIT  
myCourse

*"I am extremely happy I chose IT Management as my third level course. I have gained a variety of new skills and knowledge as well as true friends and fantastic workplace connections. The benefits of the course are endless."*

Aisling Cullinane



[www.cit.ie/CR310](http://www.cit.ie/CR310)



## Module Information

<http://modules.cit.ie/cr310>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course is designed to provide the graduate with both the management and technical skills to work in a wide range of organisations.

At a time when organisations' reliance on IT grows more critical, there is an increasing demand for graduates with the skills required to manage IT services and implement complex projects. This programme is specifically designed to address this need.

In Year 3, the work placement runs from April to August inclusive. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students may also choose to work abroad.

CIT has a long and successful association with the Erasmus programme. Every year, students travel to study at CIT from across Europe and many CIT students travel to study beyond our shores. The Department of Computing has strong links with institutions in Germany, Sweden, France, and Finland.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for postgraduate research degrees at Master's (MSc) or Doctoral (PhD) level where further specialisation in your preferred area of computing is possible. Suitably qualified graduates may also apply to:

- Postgraduate Diploma in Networking and Security
- MSc in Networking and Security (Taught)
- MSc in Cloud Computing (Taught)

## Career Opportunities

Graduates who can implement and manage IT services and infrastructure are in constant demand.

## Contact Information

Noreen Gubbins  
Department of Computing  
T: 021 433 5160  
E: [IT@cit.ie](mailto:IT@cit.ie)

## Question Time

### What makes CR 310 different from the other Computing Honours Degrees at CIT?

This course is primarily concerned with the implementation and management of IT Services rather than computer programming.

### What level of Programming is contained in the course?

Programming is not the primary focus of this course. You will cover some basic programming modules in first year.

### Can I design and develop websites from this course?

Some modules in this Degree focus on building and running basic websites. More advanced specialised modules in web development are also available as electives.

### Can I go on to specialise in Cloud Computing?

Yes, having graduated with a BSc (Honours) in IT Management, it is possible to apply for entry to the taught MSc in Cloud Computing.

### Can I work in the Games Development Industry with this course?

While there may be scope within a games development team for a graduate from this course, a student who has a strong desire to work in that industry would be strongly advised to consider a software development degree.

**myCIT**  
**myCareer**

**Olga Linek**  
Associate Network Engineer



"After I graduated with an Honours Bachelor of Science degree in Computer Services Management (retitled IT Management), I became employed as an Associate Network Engineer in EMC<sup>2</sup>. In this role, I am responsible for configuring network devices, troubleshooting network issues and providing support to EMC<sup>2</sup> offices in Europe, the Middle East and Africa.

I found that the degree was very practical, which helped me gain valuable networking and programming skills and boosted my employability."

Open Day 22 & 23 November

# Web Development (Honours)

**CR 312** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Science (Honours) in Web Development

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**CAO Points in 2012:** Round 1: 295 / Final: 295

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

## What is Web Development?

Each time you visit a website on your computer or phone, you are seeing the work of a web developer. Web Development refers to the programming required to create websites and web applications. This course can be considered as software development for the web. Some examples would be Facebook, Youtube, Amazon, or basically any website you visit.

## Helpful Leaving Certificate Subjects

English, Science, and Mathematics.

## Work Placement

There is a mandatory work placement of a minimum of 13 weeks in Year 3 or study abroad.

## Possible Areas of Employment

- Web Developer
- Software Developer/Programmer
- User Experience Developer
- Web Designer

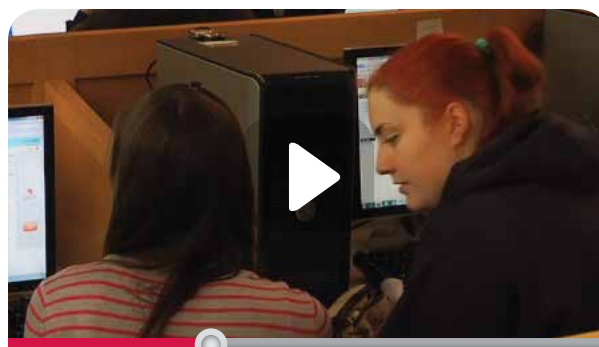
**myComputing  
myChoice**

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



"With the focus languages such as HTML, CSS, Javascript, jQuery, Java etc., there is no corner of the ever evolving web left unturned. I found the lecturers very knowledgeable and helpful. If you like the web and how it works, this is the course for you. You will know how it works and how to build fantastic websites and web programmes."

**Kyron Laffan**



[www.cit.ie/course/CR312](http://www.cit.ie/course/CR312)

## Module Information

<http://modules.cit.ie/cr312>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The course has a strong focus on the use of current and emerging web technologies and on user experience. Besides the Web based modules, the course has a mix of general software development modules to produce a rounded and competent software developer.

In Year 3, students will study at a foreign university or spend a minimum of 13 weeks on work placement. The Department has links to many third level institutes in Europe and will advise students where study places may be found where the medium of instruction is English. Movement within the EU may be supported by the EU Erasmus programme.

In addition, CIT include modules on business, management and entrepreneurship to better prepare you for your career.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for postgraduate research degrees at Master's (MSc) or Doctoral (PhD) level where further specialisation in your preferred area of computing is possible. Suitably qualified graduates may also apply to:

- Postgraduate Diploma in Networking and Security
- MSc in Software Development (Taught)
- MSc in Networking and Security (Taught)

## Career Opportunities

There are a large number of companies in Ireland developing applications for the Internet. Web applications can be deployed on desktops, laptops, or mobile devices i.e. any device that can run a browser. Therefore, the trend in software is towards web based systems and the demand for qualified developers in the space is strong and growing.

## Contact Information

Gary Couse  
Department of Computing  
T: 021 433 5160  
E: [gary.couse@cit.ie](mailto:gary.couse@cit.ie)

## Question Time

### What makes CR 312 different from the other Computing Honours Degrees at CIT?

The BSc (Honours) in Web Development is a specialised Degree. While it will teach the basic principles of software development (preparing you for a career in software engineering generally) it will also apply them to creating web applications in particular.

### What level of Programming is contained in the course?

This is primarily a software development course. You will learn how to programme and, in particular, how to use your programming skills to create websites and web applications.

### Can I design and develop websites from this course?

Yes, you will be taught the web standards and techniques required for creating websites (HTML, CSS, JavaScript) as well as the programming required to create web applications.

### Can I go on to specialise in Cloud Computing?

The MSc in Cloud Computing requires a good knowledge of Networking and Virtualisation, so it would not be a recommended progression from Web Development.

### Can I work in the Games Development Industry with this course?

Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.



Open Day 22 & 23 November



# Computing

## CR 016 Level 7 Award

- >> Progression to Honours Degrees & Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Computing

**Duration:** 3 Years (6 Semesters)

**Places:** 40

**CAO Points in 2012:** Round 1: 290 / Final: 290

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Computing?

Computing is the process of utilising computer technology to complete a task. Computing may involve computer hardware and/or software, but must involve some form of a computer system. Most individuals use some form of computing every day whether they realise it or not. Swiping a debit card, sending an email, or using a mobile phone can all be considered forms of computing.

### Helpful Leaving Certificate Subjects

Science, Mathematics, Engineering, and English.

### Possible Areas of Employment

- Software Developer
- Web Developer
- Network Engineer
- DBMS Developer
- Software Support Engineer

### myComputing myChoice

This course has been designed such that its first year modules are common with other Level 7 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 7 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



myCIT  
myCourse

*"This course has provided me with a range of core computing skills in programming, networking, and web development. A lot of options exist after the three years where you can extend your expertise in Software Development, IT Management, Cloud Computing or take the opportunity to use your skills in a working environment."* **Anthony Mannix**



[www.cit.ie/course/CR016](http://www.cit.ie/course/CR016)

## Module Information

<http://modules.cit.ie/cr016>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

The Computing programme provides graduates with the knowledge and skills necessary to successfully pursue a career in the Information and Communications Technology sector. This multipurpose course provides the student with the knowledge to tackle networking problems, identify requirements and using these to design and create a workable software solution for any business.

This course allows you the time to discover which area of Computing you enjoy. It also gives you total control when it comes to continuing on the path you have chosen. This course opens up the different strands in computing allowing you the time needed to develop and grow in each area. When you have successfully completed Year 3, you decide which Honours Degree to take, again YOU are in control. With this course you have more choice and more flexibility and, above all, more time to grow.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Graduates who have reached an average of 50% are eligible to apply for the following courses:

Year 4 of

→ BSc (Honours) in IT Management (CR 310)

Year 3 of

→ BSc (Honours) in Software Development (CR 106)

or the one year add-on

→ BSc (Honours) in Cloud Computing

## Career Opportunities

Graduates of this course have primarily moved on to complete an Honours Degree of their choice. However others have gained employment as Graduate Software Developers and Graduate Networking Engineers.

## Contact Information

Deirdre Dunlea  
Department of Computing  
T: 021 433 5111  
E: [deirdre.dunlea@cit.ie](mailto:deirdre.dunlea@cit.ie)

## Question Time

### What makes CR 016 different from the other Computing Honours Degrees at CIT?

CR 016 is a general all-round professional Computing Degree with the option of opting out in Year 2 with a Higher Certificate in Computing.

### What level of Programming is contained in the course?

Programming and Software Engineering are a crucial part of the course and graduates will have reached the top of the intermediate level as can be seen from the projects produced by the students in Year 3.

### Can I design and develop websites from this course?

You will learn about web publishing and development and will be designing and developing websites by the end of the course.

### Will I be designing Apps?

You will complete a Mobile Application Development module in third year. This builds on the Java that you would have learned throughout the course.

### Can I go on to specialise in Cloud Computing?

Once you have successfully reached the standard required, you can progress to the one year add-on BSc (Honours) in Cloud Computing.

### Can I work in the Games Development Industry with this course?

Yes, the skills acquired in completing the course in software development and programming are very applicable to the games development industry.

**myCIT**  
**myCareer**

**William Lynn**  
Researcher



"I graduated with a Higher Certificate in Computing, and progressed to a BSc (Honours) in Software Development.

During this time, I developed a software product called Nextbus, which is an electronic bus timetable system that works on mobile devices. Nextbus won 3rd prize in the CIT Prize for Innovation.

It is a great course and I would recommend it to anybody who has an interest in the area of software."

William is currently working as a researcher in an interdisciplinary team studying the impact of climate change.

Open Day 22 & 23 November

# Information Technology Support

## CR 888 Level 7 Award

- >> Progression to Honours Degrees and Postgraduate Programmes
- ▲ Higher Certificate Option

**Application:** CAO

**Award Title:** Bachelor of Science in Information Technology Support

**Duration:** 3 Years (6 Semesters)

**Places:** 20

**CAO Points in 2012: Round 1:** 250 / **Final:** 250

### Minimum Entry Requirements Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

### What is Information Technology Support?

IT Support is concerned with implementing and maintaining the IT services and infrastructure required by organisations. It is primarily focused on supporting the computer hardware, networks, databases, web services and applications required to provide IT Services.

### Helpful Leaving Certificate Subjects

English, Science, Mathematics, Engineering, and Business Studies.

### Work Placement

There is a mandatory work placement for 5 months in Year 3.

### Possible Areas of Employment

- IT Support Engineer
- Web Administrator
- Network Administrator
- System Administrator

### myComputing myChoice

This course has been designed such that its first year modules are common with other Level 7 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 7 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.



myCIT  
myCourse

*"IT Support proved a very rewarding course to undertake, socially & academically. The course modules are well designed, delivering a highly relevant skill set. I recommend this course to anyone who's thinking about a career in IT!"*  
**Kenny Williams**



[www.cit.ie/course/CR888](http://www.cit.ie/course/CR888)



## Module Information

<http://modules.cit.ie/cr888>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

This course is designed to provide the graduate with the technical skills to take on an IT support role in a wide range of organisations.

At a time of increasing reliance on IT services, the demand for graduates with the skills to implement and maintain IT infrastructure remains high. This programme is specifically designed to address this need. In Year 3, there is a work placement that runs from April to August inclusive. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students can also work abroad.

CIT has a long and successful association with the Erasmus programme. Every year, students travel to study at CIT from across Europe and many CIT students travel to study beyond our shores. The Department of Computing has strong links with institutions in Germany, Sweden, France, and Finland.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Subject to availability of places, suitably qualified graduates may apply to:

Year 4 of

→ BSc (Honours) in IT Management (CR 310)

or the one year add-on

→ BSc (Honours) in Cloud Computing

## Career Opportunities

Graduates who can coordinate and supervise the configuration, testing and deployment of IT Services and the ongoing support of those systems and their users are in constant demand.

## Contact Information

Noreen Gubbins  
Department of Computing  
T: 021 433 5160  
E: [IT@cit.ie](mailto:IT@cit.ie)

## Question Time

### Are you a qualified IT Technician?

Yes. You will learn hands-on the skills required to implement, maintain and secure computer networks, hardware, databases, web services and applications.

### Can I go on to specialise in Cloud Computing?

Once you have successfully completed this Degree to the required standard, you can progress to a one year add-on BSc (Honours) in Cloud Computing.

### What can I work at after the 3 years study?

You can work in many IT roles e.g. IT Support Engineer, Network Administrator, System Administrator, Database Administrator, Website Manager, etc.

### Can I work in the Games Development Industry with this course?

This course is not designed to equip its graduates with the skills needed in a developmental or programming role.

### What level of Programming is contained in the course?

Programming is not the primary focus of this course. You will cover some basic programming modules in first year.

**myCIT**  
**myCareer**



**Diarmuid Cronin**  
Infrastructure Engineer

Diarmuid completed the Higher Certificate in Information Technology Support attaining one of the awards for the best IT Support graduates in Ireland.

He followed this qualification by successfully completing the forerunner to the BSc in IT Support course by night, and then graduated with a BSc (Honours) in Computer Services Management.

Diarmuid currently works as a Level 111 Infrastructure Engineer contracted to Pfizer Pharmaceuticals, Cork.

Open Day 22 & 23 November

## Science & Informatics MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Certificate Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points 2012	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Other Requirements	INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT			
														Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 305	Physical Sciences (Common Entry Level 8) (Ref.2)	129	Honours Bachelor Degrees			20	320	320	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 300	Physical Sciences (Common Entry Level 7) (Ref.3)	129	Bachelor Degrees			10	290	290	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 360	Instrument Engineering	135	Honours Bachelor Degree	4		20	320	320	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 365	Environmental Science & Sustainable Technology	137	Honours Bachelor Degree	4		20	310	310	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 001	Applied Physics & Instrumentation	139	Bachelor Degree	3	✓ (Ref.1)	20	295	295	5	0	D3 (O/H)	D3 (O/H)			✓	✓ (Ref.7)	✓
CR 325	Pharmaceutical Biotechnology	149	Honours Bachelor Degree	4		25	300	300	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 333	Nutrition & Health Science	147	Honours Bachelor Degree	4		40	340	340	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 006	Applied Biosciences	141	Bachelor Degrees	3	✓ (Ref.1)	40	290	290	5	0	D3 (O/H)	D3 (O/H)			✓ (Ref. 4/5)	✓ (Ref. 10)	✓
CR 320	Biomedical Science (CIT & UCC Joint Course)	143	Honours Bachelor Degree	4		30	525	520	6	2	D3 (O/H)	D3 (O/H) in both Irish & English D3 (O/H)	C3 (H) in one Science Subject (Ref.6)			✓	✓
CR 330	Herbal Science	145	Honours Bachelor Degree	4		20	265	265	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 340	Analytical Chemistry with Quality Assurance	131	Honours Bachelor Degree	4		10	345	295	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 007	Analytical & Pharmaceutical Chemistry	133	Bachelor Degree	3	✓ (Ref.1)	20	280	AQA	5	0	D3 (O/H)	D3 (O/H)			✓	✓	✓
CR 106	Software Development	151	Honours Bachelor Degree	4		20	300	300	6	2	D3 (H) or B3 (O)	D3 (O/H)				✓	✓
CR 116	Software Development & Computer Networking	153	Honours Bachelor Degree	4		20	305	305	6	2	D3 (H) or B3 (O)	D3 (O/H)				✓	✓
CR 310	IT Management	155	Honours Bachelor Degree	4		20	290	290	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 312	Web Development	157	Honours Bachelor Degree	4		20	295	295	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 016	Computing	159	Bachelor Degree	3	✓ (Ref.1)	40	290	290	5	0	D3 (O/H)	D3 (O/H)			✓	✓ (Ref.8)	✓
CR 888	Information Technology Support	161	Bachelor Degree	3	✓ (Ref.1)	20	250	250	5	0	D3 (O/H)	D3 (O/H)			✓	✓ (Ref.9)	✓

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook.

Students who successfully complete Year 2 of the Bachelor Degree Programme and do not wish to progress to Year 3, will receive a Higher Certificate Qualification.

Ref.1 At the end of Semester 1 students may apply to transfer into CR 340, CR 360 or CR 365.

Ref.2 BSc in Food & Health Science

Ref.3 BSc in Applied Biosciences and Biotechnology

Ref.4 Science Subject requirement can be from Chemistry, Biology, Physics or Phys/Chem.

Ref.5 BSc (Honours) in Applied Physics & Instrumentation or Bachelor of Science (Honours) in Instrument Engineering

Ref.6 BSc (Honours) in Software Development OR BSc (Honours) in IT Management OR BSc (Honours) in Cloud Computing

Ref.7 BSc (Honours) in IT Management OR BSc (Honours) in Cloud Computing

Ref.8 BSc (Honours) in Nutrition & Health Science OR BSc (Honours) in Pharmaceutical Biotechnology

Ref.9

Ref.10



## CAO Courses

### Level 8

- CR 121 Bachelor of Music (Honours)
- CR 125 BA (Honours) in Popular Music: Electric Bass Guitar
- CR 126 BA (Honours) in Popular Music: Drums
- CR 127 BA (Honours) in Popular Music: Electric Guitar
- CR 128 BA (Honours) in Popular Music: Keyboards
- CR 129 BA (Honours) in Popular Music: Voice
- CR 700 BA (Honours) in Theatre & Drama Studies

**Note:** Course CR 125, CR 126, CR 127, CR 128, and CR 129 will qualify with a BA (Honours) in Popular Music

## Postgraduate Programmes

- MA in Music Performance (Taught)
- MA in Music Composition (Taught)
- MA in Music Conducting (Taught)
- MA in Music and Technology (Taught)
- MSc in Music and Technology (Taught)
- MA (by Research)
- PhD



# CIT CORK SCHOOL OF MUSIC



Founded in 1878, the Cork School of Music (CSM) was the first Municipal School of Music to be established in Ireland and Great Britain.

The CSM was the first institution in the State to offer a Music Teaching Diploma Course embracing academic, pedagogic and practical training – and the spirit of this course was incorporated into the CSM's Honours BMus Degree Course. On 1st January 1993, together with the Crawford College of Art & Design, the Cork School of Music became a Constituent School of Cork Institute of Technology.

The musical life of Ireland is rich and varied, and nowhere more so than in Cork. The staff and students of the CSM play a pivotal role in this life through performances and their involvement with musical organisations not only in the city, but also regionally, nationally and internationally. The greatest asset of the CSM is its large and distinguished staff that includes many highly qualified and experienced teachers who are also performers of national and international standing.

Many opportunities exist for students to attend a wide variety of performances. Because of the CSM's city-centre location, students are able to avail of non-musical activities and a varied social life – vital ingredients of a liberal third-level education.

## Facilities

A purpose-built home for the CSM opened in September 2007 and provides nearly 13,000m<sup>2</sup> of state-of-the-art facilities. This was supplied by means of a Public Private Partnership (Department of Education & Science & Hochtief PPP Solutions). It includes:

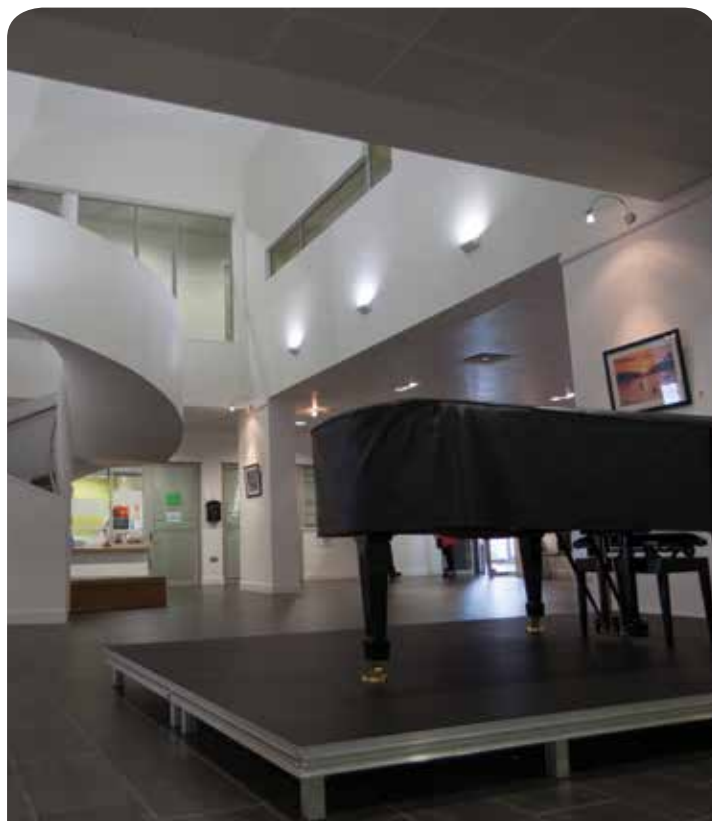
- 60 teaching/practice studios (equipped with a fleet of Steinway grand pianos)
- 400-seater auditorium
- 120-seater drama theatre
- Movement room & changing facilities
- Professional 48-track, digital HD recording studio
- Electronic music studio
- *Pianolabs*
- *Audiolab*
- *MusicTlab*
- Double bass studio
- Early music (organ & harpsichord) studio
- Harp studio
- Percussion studio
- Postgraduate centre

## Opening Hours

Monday to Friday 8.30am - 10.30pm

Saturdays 8.30am - 6.00pm

Most Sundays 9.30am - 6.00pm



With an inspirational ground-floor atrium that appears to flow up the entire building through two huge natural light shafts, and with acoustic, temperature and humidity controls provided throughout the building, these facilities are without parallel. The CSM provides the internationally-renowned staff of Ireland's largest conservatory of music and drama with the very best of facilities to ensure that many more students are able to pursue their studies. One of the distinguishing features of the CSM is that music is music, and the genres of classical, Irish traditional, jazz and popular are treated with equal respect and opportunity.

Another important distinguishing feature is the range and quality of ensemble music making opportunities that are available to students. Performing in public is a vital ingredient of any musical training and the CSM provides many platforms, both formal and informal, for its students. Full-time students are encouraged to play a leading role in the performing groups presented by the CSM. In addition to a wide variety of chamber music groups, the CSM's bands (including jazz), choirs, drama groups, Irish traditional music groups, opera studio and orchestras have strong international as well as national reputations for their extensive profiles, achievements and standards. Students are also encouraged to enter the annual competitions that the CSM organises - particularly the Senior Concerto, Chamber Music, Piano Accompaniment, and Senior Recital Competitions.

Five bands cater specifically for wind and percussion students of the CSM. Four graded wind bands allow students to participate in large-ensemble music making from their earliest years of study to an advanced level. The CSM Wind Ensemble gives concerts throughout the country and has made several radio broadcasts. The CSM Jazz Big Band has given performances in Belgium, England, France, Holland, Italy, and the USA, as well as throughout Ireland.

The CSM has a proud tradition of producing professional singers – for example Majella Cullagh, Mary Hegarty, Bridget Knowles, Paul McNamara, Cara O'Sullivan and Finbarr Wright. As well as individual vocal lessons, students can participate in an Opera Workshop (which stages at least one major production each year), small vocal ensembles, and avail of specialist language classes. The CSM choirs range from a number of Junior Choirs, a Senior Choir and a Youth Choir to the Fleischmann Choir – a large mixed-voice choir which performs and broadcasts the large-scale works for chorus with orchestra, and tours annually both within Ireland and abroad. The CSM also boasts an equal-voice choir of full-time students, Cappella Lyrica.

Instrumentalists move through Junior and Intermediate orchestras to the CSM Symphony Orchestra that performs the literature for full orchestra. Its programmes usually feature a Cork-trained or Cork-based artist as soloist, and its concerts in Cork and various other major centres around the country have earned it an enviable reputation for consistent excellence. In recent years, the CSMSO has committed itself to providing a series of rehearse-record sessions for composers studying in the CSM that have provided great encouragement and developmental support. In addition, the CSM supports specialist Baroque & Classical orchestral ensembles for those interested in historical performance practice and a Contemporary Music Group. Chamber music ensembles are a prominent feature of the CSM, and the Drama staff foster a range of drama groups. Students benefit greatly from the residencies of both the Irish Chamber Orchestra and the Carducci Quartet through regular performances and coaching sessions.

CSM has state-of-the-art digital technology to provide a unique resource for recording as well as Music and Technology studies – the latter being integrated with the Honours BA Degree in Multimedia offered in CIT's Bishopstown Campus. An extraordinary bequest from the family of the late Norman Young also means that the CSM has an unique collection of professional recording equipment that represents all the technologies developed during the twentieth century.





## Entrance Exam

The Honours BMus Entrance Exam is provisionally scheduled to be held on Saturday, 12th April 2014. The BA (Honours) in Popular Music and the BA (Honours) in Theatre & Drama Studies Entrance Assessment Exams are provisionally scheduled to take place between the 10th-12th April 2014. Each candidate who sits an Entrance Exam is awarded up to a maximum of 600 points that are added to the Leaving Certificate points for the purpose of determining entry. Each standard candidate must achieve the minimum threshold of 240 points in the Entrance Exam and must also meet the minimum Leaving Certificate entry requirement in order to be eligible for admission.

**NB:** Candidates are NOT allowed to defer the results of the Entrance Exam from one year to the next.

## Music CR 121

The Entrance Exam involves an interview, performance, aural & sight singing tests, and a written paper dealing with rudiments, compositional techniques [harmony] and general musical knowledge. Samples of the aural & sight-singing tests and written paper are available upon request from the Administrator, CIT Cork School of Music, Union Quay, Cork. Normally, applicants should have reached at least Grade VI on their Principal Instrument and a list of scales, arpeggios, studies, pieces and concerto movements is also available for every instrument in respect of the CSM's own Grade VI syllabus.

## Popular Music CR 125 / CR 126 / CR 127 / CR 128 / CR 129

Applicants will be required to prepare two contrasting pieces of music; undergo an interview; and sit a written assessment paper.

## Theatre & Drama Studies CR 700

For the practical assessment, candidates will prepare a three-to-four minute monologue from a published play of their choice. Individual auditions/interviews will also include the performance of a short, previously unseen text given on the day. Each candidate will also take part in a 45-minute group drama workshop and complete a brief written exercise on an unprepared theatre topic.

## About the Bachelor of Music (Honours) CR 121

This four-year programme leads to the award of an Honours BMus Degree. The course offered by the CSM differs fundamentally from those available elsewhere in the country in a number of ways. In particular, Performance Studies are an integrated feature throughout the course and students receive credit for them proportional to their level of ability and specialisation.

One of the attractions of this Honours Degree course is the nature of Years 1 and 2, which are best described respectively as "Foundation" and "Transition". The carefully coordinated elements of the Year 1 course seeks to ensure that every student is subsequently able to fulfil their potential, whatever specialisations are chosen. During Year 2, the continuation of core studies is balanced by the introduction of elements that ensure students can make an informed decision about which subjects they would like to concentrate on during the third and fourth years. Whilst these might prove to be Performance Studies, or Music in the Community, or Pedagogic [Music Teaching] Studies, or Music and Technology, or Music Therapy, it is equally possible to specialise in Applied Musicianship Skills and/or Music History. Students specialising in conducting and/or orchestration reap the benefits of multiple sessions with the CSM's most senior performing groups, including the Fleischmann Choir, Symphony Orchestra and Wind Ensemble.

Potential professional performers can study with people who have played in and/or conducted professional orchestras, choirs and bands, are (or have been) members of professional chamber ensembles, and perform regularly as soloists. Aspiring teachers take courses in Pedagogic Studies that reflect the very best practices to be found in a School that has been at the cutting edge of music education for over 130 years. In addition, there is also coherent and meaningful provision for students whose interests and strengths lie in the fields of Applied Musicianship Studies (including Analysis, Conducting, Composition and Counterpoint) and/or Historical Studies.

Staff of the CSM have blazed the trail for both Community Music and Music Therapy studies in Ireland, and the Music and Technology Studies are enhanced by the unique availability of state-of-the-art digital equipment in the CSM and linkages with the Bachelor of Arts (Honours) in Multimedia offered by CIT in its Bishopstown Campus.





### **About the Bachelor of Arts (Honours) in Popular Music CR 125 / CR 126 / CR 127 / CR 128 / CR 129**

This is a four-year programme leading to the award of a Bachelor of Arts (Honours) in Popular Music. Singers and instrumentalists who play guitar, bass, keyboards or drums in a pop style will study together: performance skills, ensemble, theory & harmony, songwriting, music technology and music business, law and entrepreneurship. In third and fourth year, students' electives include Music Therapy, and Music in the Community. Those wishing to specialise in Music Technology have access to some of the most sophisticated electronic and computer equipment available in the country.

Graduates will be able to compete in the busy world of commercial music in Ireland, for recording contracts, gigs in clubs and concert halls, TV and stage shows, corporate entertainment, and the fertile melting pot that is the Irish singer-songwriter circuit. Synergies with the classical, jazz and traditional musicians on the BMus course will open creative doors and career opportunities such as those fostered in the famous performing arts schools and colleges of Britain and the U.S.A.

### **About the Bachelor of Arts (Honours) in Theatre & Drama Studies CR 700**

This is a four-year programme that centres on theatre performance training, with supporting modules to facilitate wider career options. The programme aims to produce artists that are physically and vocally flexible and intellectually alive and curious. Alongside core disciplines of voice, movement and acting studies, you will develop a range of creative and practical techniques and transferable skills that will encourage you to be an independent thinking and motivated artist, an articulate and reflective practitioner equipped to succeed in a competitive profession. Small group and large ensemble practical and workshop sessions are balanced with lectures, tutorials and field-based studies.

**Capstone Module:** In the fourth and final year, each student works on an integrated production. As the emphasis throughout the programme is on performance, this allows an involvement at a professional level as a theatre practitioner as the culmination of the four years' work.

# Music (Honours)

## CR 121 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Music (Honours)

**Duration:** 4 Years (8 Semesters)

**Places:** 30

**Garda Vetting:** Yes

**Campus:** CIT Cork School of Music, Union Quay, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012:** Round 1: 630 / Final: 630

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

**Note 2:** Entrance Exam is also required.

**Note 3:** CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of applicants. It is important to note that participation in, or completion of, this programme may be affected by subsequent disclosure/discovery.

### What is Music?

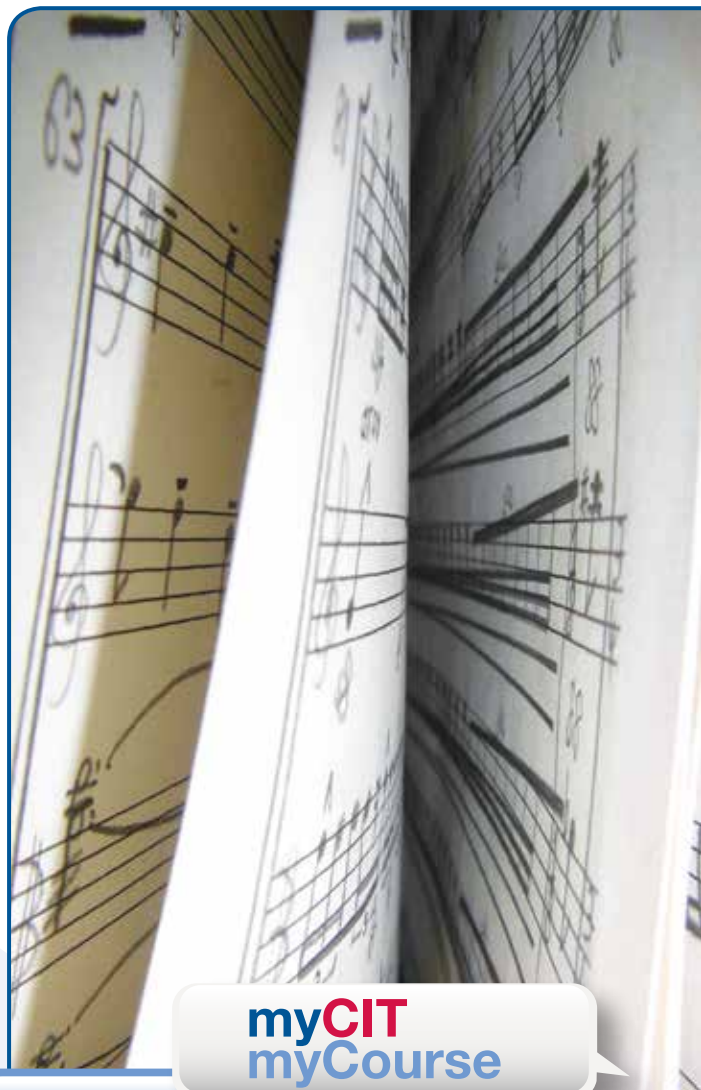
It is the art or science of combining sounds and silence in order to produce a form that is satisfying and emotionally stimulating. The study of music involves the enhancement of instrumental skills, theoretical learning and understanding, history, exploration of the social and therapeutic benefits of music making and listening, conducting, composition, orchestration, psychology, education, and use of technology.

### Helpful Leaving Certificate Subjects

Music, and English.

### Potential Areas of Employment

- Solo and Ensemble Performance
- Music Teaching
- Music Production and Recording
- Film, Video and TV Scoring



**myCIT**  
**myCourse**

*"The broad range of specialisms on offer in Years 3 & 4 meant that I could mould my Degree into a unique and rewarding experience that has supported my career aspirations."*

**Sarah Keane**



[www.cit.ie/course/CR121](http://www.cit.ie/course/CR121)

## Module Information

<http://modules.cit.ie/cr121>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments and exams.

## About the Course

There are three mandatory skill-based modules which are taken in each Semester. The remaining electives may be selected from a wide choice of courses: Community Music, Composition, Conducting, Counterpoint, Education, History, Music Technology, Music Therapy, Orchestration, Performance, and Research. Instrumental tuition is delivered in one-to-one lessons according to best international practice. Other modules are delivered across a variety of labs, lectures, tutorials and workshops.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates may apply either to undertake research (leading to the award of a MA and/or PhD), or to follow a Taught Master's programme in either Music (Performance or Composition) or Music & Technology.

## Career Opportunities

There are many employment opportunities for music graduates apart from the obvious ones of performing and teaching. This course enables students to develop the skills necessary for a career as a music/arts administrator, music librarian, conductor of amateur bands/choirs/orchestras/musical shows, music animator, music publicist/promoter, and music editor.

However, taking an Honours Degree in music does not mean that a graduate is restricted to a music driven career for the rest of their life. In addition, a growing number of employers outside the specific music business favour music graduates because of the combination of intellectual training, digital skills, interpersonal sensitivity and greatly enhanced general response rates represented by a musical training.

## Contact Information

The Administrator,  
CIT Cork School of Music,  
Union Quay, Cork.  
T: 021 480 7307  
E: [bmus@cit.ie](mailto:bmus@cit.ie)

## Question Time

### Do I need to have Leaving Certificate Music?

Leaving Certificate Music is not an admission requirement. This is a restricted access course, you need to pass the CSM's Entrance Exam and then you will be placed on a ranked list based on your combined marks from the CSM Entrance Exam and your Leaving Certificate points.

### Do I need to be able to read music?

Yes, you need to be able to read to approximately Grade 6 instrumental standard.

### Can I apply if I have never completed a grade exam?

Once you satisfy the entrance panel that you are of equivalent standard to a recognised Grade 6 exam standard, it is not necessary to have actually completed a grade exam.

### Is there a late application facility?

As this is a restricted access course, you must have applied for the course by the 1st February through the CAO. Once the BMus CR 121 is on your list of courses, you can change the order of courses but you cannot add CR 121 to your list at a later date.

### Are there any other special requirements?

Yes, there are Early Application Procedures. This is a Restricted Access Course and all applicants must sit the CSM's Honours BMus Degree Course Entrance Exam. The date for the Entrance Exam is Saturday, 12th April 2014.

### Are past exam papers available?

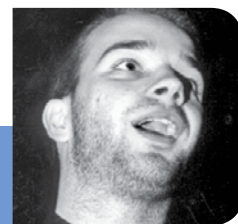
It is important to get the sample Honours BMus Degree Course Entrance Exam from the CSM's Administrator, Union Quay, Cork, to check that you can meet the requirements of the Practical, Aural & Written elements.

### Can I defer the results of my Entrance Exam from one year to the next?

Candidates are not allowed to defer the results of the Entrance Exam.

**myCIT**  
**myCareer**

**John O'Brien**  
Conductor



John's First Class Honours Degree specialised in Performance Studies (Organ) and Applied Musicianship Studies. His achievements in the Conducting element of the latter prompted him to take the CSM's Taught Masters Course (Conducting).

Since his graduation, he has been in great demand as a conductor of musicals as well as choral and orchestral ensembles. John was the first Chorus Master of Opera 2005, and is cofounder/musical director of Cork Opera Works. Touring with choral ensembles to Austria, England, Italy, Spain and Wales has kept John busy all year round.

CSM Open Day 23 November



# Popular Music (Honours)

## Level 8 Award

**CR 125 Popular Music: Electric Bass Guitar**

**CR 126 Popular Music: Drums**

**CR 127 Popular Music: Electric Guitar**

**CR 128 Popular Music: Keyboards**

**CR 129 Popular Music: Voice**

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Popular Music

**Duration:** 4 Years (8 Semesters)

**Places:** 30 (6 places on offer in each specialised area)

**Campus:** CIT Cork School of Music, Union Quay, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012:** New Course Entry 2012

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

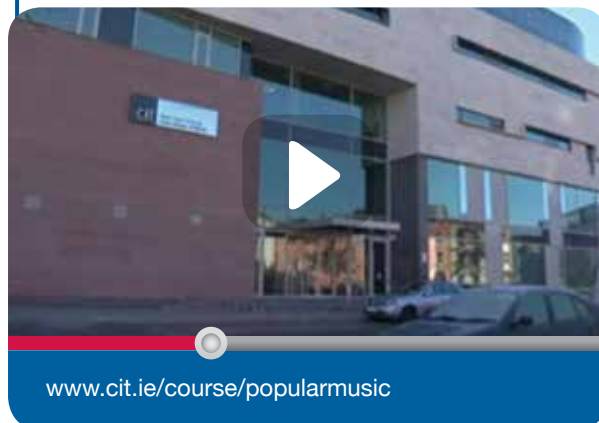
**Note 2:** Entrance Exam is also required.

## What is Popular Music?

Popular Music is the music heard around the clock on radio, TV, in the theatres, clubs and venues all around the country. We use it to encompass all of the sub genres: rock, country, soul, blues, commercial, modern musical theatre, electronic music, dance music, and so on.

### Helpful Leaving Certificate Subject

Music.



## Module Information

<http://modules.cit.ie>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## Potential Areas of Employment

- Musician in a band
- Singer songwriter
- Session/Pit Musician

## About the Course

Each student is assigned a matched group of peers to form a small popular ensemble, this becomes the centre of the learning experience. Lectures, classes, and music technology labs provide supporting skills to the core training in performance.

**Instrumental Tuition; Ensembles** – everything from rock, pop, hip hop, blues, soul, metal, jazz, salsa, disco, electronica, funk, ska, reggae, etc.; **Musicianship and Harmony** – play by ear, harmonise, notate your favourite songs and solos; **Music Technology** – live sound and PA, studio engineering, computer-based music applications including ProTools and Logic Studio; **Song Writing** – mentored guidance and practical experience in realising your own composition; **Arranging and Musical Direction** – coordinate, arrange for, and direct a group of your musical peers.

Additionally, BAPM students will have the opportunity to devise and develop personal live and recorded music projects. Along with their BMus counterparts, BAPM students will be introduced to Community Music and Music Therapy as potential pathways. Students will also have access to specialist modules embracing arts marketing, professional promotion, and business for artist practitioners and career development.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates may apply either to undertake research (leading to the award of an MA and/or PhD), or to follow a Taught Master's programme in either Music (Performance or Composition) or Music & Technology.

## Career Opportunities

There are many employment opportunities for popular music graduates apart from the obvious one of performing. Composition, music for multimedia, song writing, playing in recording sessions, in theatrical productions and TV. Outside of this field is the associated area of promotion, festival and arts administration and the business side of the industry.

However, taking an Honours Degree in Music does not mean that a graduate is restricted to a music driven career for the rest of their life. In addition, a growing number of employers outside the specific music business favour music graduates because of the combination of intellectual training, digital skills, interpersonal sensitivity and greatly enhanced general response rates represented by a musical training.

## Contact Information

The Administrator,  
CIT Cork School of Music,  
Union Quay, Cork.  
T: 021 480 7307  
E: [popularmusic@cit.ie](mailto:popularmusic@cit.ie)

## Question Time

### Are there any other special requirements?

Yes, there are Early Application Procedures. This is a Restricted Access Course and all applicants must sit the CSM's BA (Honours) in Popular Music Degree Course Entrance Exam. The provisional dates for the Entrance Exam are Thursday to Saturday, 10th - 12th April, 2014.

### Are sample exam papers available?

It is important to get the sample Honours BAPM Degree Course Entrance Exam from the CSM's Administrator, Union Quay, Cork, to check that you can meet the requirements of the practical, and written elements.

### Can I defer the results of my Entrance Exam from one year to the next?

Candidates are not allowed to defer the results of the Entrance Exam.



CSM Open Day 23 November

# Theatre & Drama Studies (Honours)

## CR 700 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Theatre & Drama Studies

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**Campus:** CIT Cork School of Music, Union Quay, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012:** Round 1: 685 / Final: 685

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

**Note 2:** Entrance Assessment is also required.

### What is Theatre & Drama Studies?

Theatre & Drama Studies is a practice-based course for those intending to pursue a career in theatre or dramatic arts. Individual acting skills, voice production, ensemble performance and related theatre design and technical audio visual studies equip the student to work in live theatre, broadcast media or community-based arts facilitation.

### Helpful Leaving Certificate Subject

English.

### Work Placement

There is a mandatory 84 hours work placement over a minimum of 8 weeks in Year 3.

### Potential Areas of Employment

- Actor
- Director/Producer
- Theatre Designer
- Theatre Technician
- Drama Teaching
- Community Arts
- Theatre in Education
- Arts Administration
- Film and Television



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*"The course has a lot of opportunities and opens your eyes to all aspects of theatre and drama. The course also allows you to smash the boundaries of yourself."*

Tara O'Connor



[www.cit.ie/course/CR700](http://www.cit.ie/course/CR700)



## Module Information

<http://modules.cit.ie/cr700>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## About the Course

This Honours Degree course centres on theatre performance training, with supporting modules to facilitate wider career options. The course aims to produce artists that are physically and vocally flexible and intellectually alive and curious.

Alongside core disciplines of voice, movement and acting studies, you will develop a range of creative and practical techniques and transferable skills that will encourage you to be an independent thinking and motivated artist, an articulate and reflective practitioner equipped to succeed in a competitive profession. Small group and large ensemble practical and workshop sessions are balanced with lectures, tutorials and field-based studies.

In the second semester of Year 3, each student will have a supervised work placement in an appropriate professional environment. The work placement is done as a complete module with 84 hours work contact to be done in a minimum of 8 weeks.

**Capstone Module:** In the fourth and final year, each student works on an integrated production. As the emphasis throughout the course is on performance, this allows an involvement at a professional level as a theatre practitioner as the culmination of the four years' work.

## Further Studies

For details see [www.cit.ie](http://www.cit.ie)

Graduates will be able to pursue any Level 9 course for which a drama degree is relevant and recognised – including postgraduate education programmes.

Postgraduate study in education, drama therapy and arts administration are examples of what are possible pathways.

## Career Opportunities

Graduates will have the ability to pursue careers in the performing arts, education, arts administration, community arts, film and television media, and may also undertake further study in the area of drama, theatre and performance.

## Contact Information

The Administrator,  
CIT Cork School of Music,  
Union Quay, Cork.  
T: 021 480 7307  
E: [csminfo@cit.ie](mailto:csminfo@cit.ie)

## Question Time

### What personal skills are most suited to the course and subsequent careers?

A flair for dramatic performance and the ability to respond creatively to a variety of situations.

### When I graduate from this Degree, what necessary steps do I need to take to be qualified to teach?

Graduates will be able to seek work as drama teachers in stage schools and various community arts organisations. They will need a further qualification to teach in Primary and Second level Schools.

### Where can I obtain information about the Audition/ Assessment?

Further details and an assessment information pack are available from [csminfo@cit.ie](mailto:csminfo@cit.ie).

### Can I avail of the Erasmus programme?

Yes, in Year 3, students may avail of the Erasmus Scheme to study abroad in a partner institution.

### What elective modules are available?

Where timetables and resources permit, you may have the choice of studying a module of your own choice. This gives you access to a wide range of electives from other disciplines, such as Music, Fine Art, Mathematics or Sciences. The synergy with the Music Degree offers particular opportunities for musical theatre specialists.

### Can I defer the results of my Assessment Exam from one year to the next?

Candidates are not allowed to defer the results of the Entrance Assessment Exam.

### Are there early assessment procedures?

Yes, the Assessment Exam will provisionally take place at the CIT Cork School of Music from Thursday to Saturday, 10th - 12th April 2014.



CSM Open Day 23 November

# CIT Cork School of Music MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Cert Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points 2012	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 121	Music*	169	Honours Bachelor Degree	4		30	Leaving Cert & Music Exam 630	Leaving Cert & Music Exam 630	6	2	(Ref.1)	D3 (O/H)	✓ (Ref.2/3/4)			✓	✓
CR 125	Popular Music: Electric Bass Guitar*	171	Honours Bachelor Degree	4		30	Leaving Cert & Music Exam 630	Leaving Cert & Music Exam 630	6	2	(Ref.1)	D3 (O/H)	✓ (Ref.3/5)			✓	✓
CR 126	Popular Music: Drums*																
CR 127	Popular Music: Electric Guitar*																
CR 128	Popular Music: Keyboards*																
CR 129	Popular Music: Voice*																
CR 700	Theatre & Drama Studies*	173	Honours Bachelor Degree	4		20	Leaving Cert & Assessment Exam 685	Leaving Cert & Assessment Exam 685	6	2	(Ref.1)	D3 (O/H)	✓ (Ref.3/6)			✓	✓

Ref.1 No requirement for Mathematics. A Grade B2 or higher in Foundation Level Mathematics is recognised as a subject and is awarded points as follows: Grade/Points A1/20; A2/15; B1/10; B2/5.

Ref.2 CSM BMus (Honours) Degree Entrance Exam.

Ref.3 Applicants are NOT allowed to defer the results of the Entrance Exam/Assessment from one year to the next.

Ref.4 Students are required to undergo Garda Vetting.

Ref.5 CSM BAPM (Honours) Degree Entrance Exam.

Ref.6 CSM BATDS (Honours) Degree Entrance Assessment.

\* Restricted Application / Early Assessment

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook.  
Number of First Year Places may change.  
Leaving Certificate (LC)





# CIT Crawford College of Art & Design

at a glance

## **CAO Courses** **Level 8**

### **Fine Art and Design @ Sharman Crawford Street**

CR 210 BA (Honours) in Contemporary Applied Art  
(Ceramics, Glass, Textiles)

CR 220 BA (Honours) in Fine Art

### **Media Communications @ Bishopstown Campus**

CR 112 BA (Honours) in Multimedia

CR 600 BA (Honours) in Visual Communications

## **Postgraduate Programmes**

Higher Diploma in Arts for Art & Design Teachers

MA in Art Therapy (Taught)

MA in Art & Design Education (Taught)

MA in Teaching Visual Arts for Primary & Early Years Education (Taught)

MA in Art & Process (Taught)

Higher Diploma in Arts in Public Relations (Taught)

MA in Public Relations with New Media (Taught)

MA in Journalism with New Media (Taught)

MA in Digital Media (Taught)

MA in E-learning Design and Development (Taught)

MA by Research

PhD



# CIT CRAWFORD COLLEGE OF ART & DESIGN



CIT Crawford College of Art & Design (CCAD) is a vibrant multi-campus College, which has been providing education in the arts for over 200 years.

There are a number of fine art galleries in the city, including the Crawford Gallery, Lavit Gallery, Glucksman Gallery, and the Triskel Art Centre. Cork is also home to the National Sculpture Factory, the Backwater Artists' Studios, Cork Printmakers Workshops, and the Cork Artists' Collective. A number of emerging artist initiatives is also growing, including Cork Contemporary Projects, Sample Studios, and the Basement Project Space. These creative centres, along with the working artists, designers and students of the CCAD, make the city a very vibrant artistic community.

Crawford graduates are among Ireland's top artists, designers, media communicators, art therapists, and art educationalists. Studying at the CIT Crawford College is a challenging and rewarding experience, which we hope you will enjoy.

## **The College comprises four distinct departments as follows:**

- The Department of Fine Art & Design, and the Department of Art & Design Education are based at the Sharman Crawford Street campus, offering programmes in Fine Art, Contemporary Applied Art (Ceramics, Glass, Textiles), and Art Education.
- The Department of Media Communications, offering programmes in Visual Communications, Multimedia, Journalism, E-learning, and Public Relations, is based at CIT's Bishopstown Campus.
- The Department of Art Therapy and Continuing Visual Education is based on Sullivan's Quay, a 5-minute walk from the Sharman Crawford Street campus.

There are extensive links with industry and external arts organisations, a thriving visiting lecturer programme, and a strong focus on the development of individual creativity.

CCAD also has its own exhibition space at Wandesford Quay Gallery and this venue has already established itself as an intersection point between the college and the wider artistic community.

CIT Wandesford Quay Gallery  
W: <http://ccad-research.org/gallery/>



## **Fine Art and Contemporary Applied Art (Ceramics, Glass, Textiles) @ Sharman Crawford Street**

The BA (Honours) in Fine Art, and Contemporary Applied Art (Ceramics, Glass, Textiles), are based in our Sharman Crawford Street campus, which is in the heart of Cork city with easy access to vibrant art institutions and arts scene. Both programmes provide studio based education, with an emphasis on instilling individualism and independence. Facilities include personal studio space for all students with access to well-equipped workshops including drawing studio, media-labs, photography studio, digital imaging lab and/or traditional darkrooms, projection space, print studios, textiles, glass, ceramics, metal, and wood fabrication alongside lecture theatres.

## **Visual Communications & Multimedia @ Bishopstown Campus**

The BA (Honours) in Visual Communications, and Multimedia, are offered on the Bishopstown campus in the Department of Media Communications. In recent years this department has grown significantly and has become a premier provider of visual design and media education in the south of Ireland. Facilities are of a high standard and include lecture rooms, photographic/video production space and design/drawing studios. There are also traditional printing and digital pre-press facilities available to the students. All labs consist of top end Macintosh computers and up-to-date industry standard software.

All courses maintain close links to industry involving ongoing consultation with design and media professionals ensuring that courses are targeted to 'real world' needs and that graduates are both highly trained and eminently employable. There are also many options for postgraduate studies within CCAD.



## **Postgraduate Programmes**

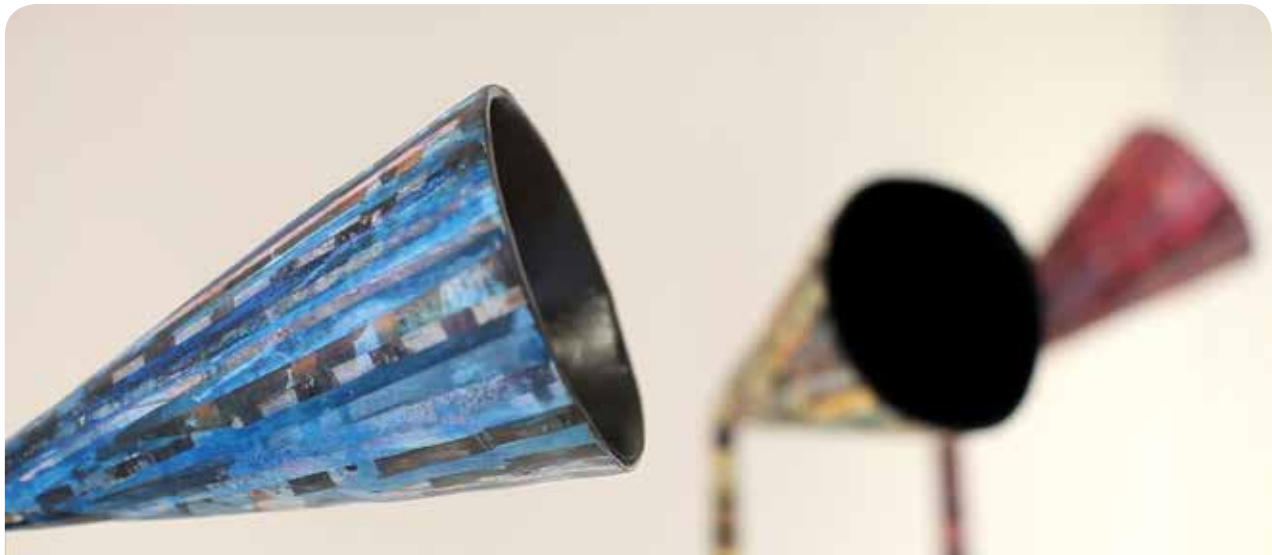
CCAD offers an extensive range of Postgraduate Programmes:

- Higher Diploma in Arts for Art & Design Teachers
- MA in Art Therapy
- MA in Art & Design Education
- MA in Teaching Visual Arts for Primary & Early Years Education
- MA in Art & Process
- Higher Diploma in Arts in Public Relations
- MA in Public Relations with New Media
- MA in Journalism with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

## **International Links**

The College actively participates in the ERASMUS student mobility programme, and exchanges have taken place with colleges in Germany, the UK, the Netherlands, Portugal, Italy, Denmark, France, Spain, and Finland. The College welcomes mature students and receives many applications from overseas.





## Portfolio Guidelines

### CCAD Undergraduate Programmes

1. BA (Honours) in Fine Art CR 220
2. BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
3. BA (Honours) in Visual Communications CR 600

The portfolio is your opportunity to show what interests and excites you visually; it should show your ability and potential to engage in a challenging and creative contemporary art and design practice. If you have an inquisitive mind and want to explore your creativity, then the CCAD Degree Programmes are for you.

#### There is no 'standard' portfolio but these are indications of what will be looked for:

- Make it exciting so your portfolio reflects your interest and enthusiasm for the chosen course as a prospective art and design student.
- Evidence of drawing and painting are essential and should be demonstrated through both observational and imaginative work. However, at least half of the work you include should be from direct observation.
- Don't leave out large scale or 3D work; however it is sufficient to present this by photographing the objects from a variety of viewpoints and including some indication of scale if possible.
- Sketchbooks and personal visual diaries are vital since they give an idea of how you inform yourself, how you generate ideas and your approach to researching and developing them.
- It is important to organise and present your portfolio clearly but there is no need to spend a lot of money mounting work - spend time putting your folder in order, be selective, judge what best displays your interests, abilities and skills, then arrange it in a clear and coherent manner- don't put everything in. Remember we are looking for quality not quantity.
- Please do not include work on disc (unless it is motion graphics or video work specific to course CR 600).

**Note:** Portfolios for the BA in Visual Communications CR 600 should contain examples of any 'graphic design' projects you may have undertaken such as logos, event posters, CD covers or graphics for packaging.

Finally and most importantly, enjoy the process of creating your portfolio - it will be evident in the work. Be inventive, we enjoy seeing work that is individual and imaginative.

## Portfolio Admission Procedures

### CCAD Undergraduate Programmes

1. BA (Honours) in Fine Art CR 220
  2. BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
  3. BA (Honours) in Visual Communications CR 600
- A special points system operates for admission to CR 210, CR 220 and CR 600. This involves aggregating the points scored for the Leaving Certificate or FETAC points alongside marks awarded for a Portfolio Assessment.
  - Points are awarded out of 600 using the normal CAO points system applied to six subjects. A further 600 points are available for the Portfolio, making a total of 1200 maximum.
  - A minimum of 240 (40%) points must be obtained for portfolio to be considered eligible for the course. Example: Portfolio score (450) + CAO Leaving Cert / FETAC Points (300) = 750 points.
  - Applicants should apply in the normal way through the CAO by 1st February, after which they will receive an invitation to submit their portfolio for consideration. This will take place before the 17th March.
  - The marks allocated to the portfolio will be communicated to the CAO and to the applicant before the end of May by post. When the Leaving Certificate results become available, the CAO will make offers in the usual manner.



- In order to be considered for a place on the courses CR 210, CR 220 and CR 600, applicants must satisfy the minimum academic requirements (please see each course for details). All assessments will be carried out by portfolio review and applicants will be required to present their portfolio in person for both the Fine Art and Contemporary Applied Art (Ceramics, Glass, Textiles) Programmes. It is not a requirement to be present for assessment of the Visual Communications Programme.

## Portfolio Presentation

We view hundreds of portfolios each year and to ensure the process works, we ask you to thoroughly read through the procedures outlined below.

### Locations

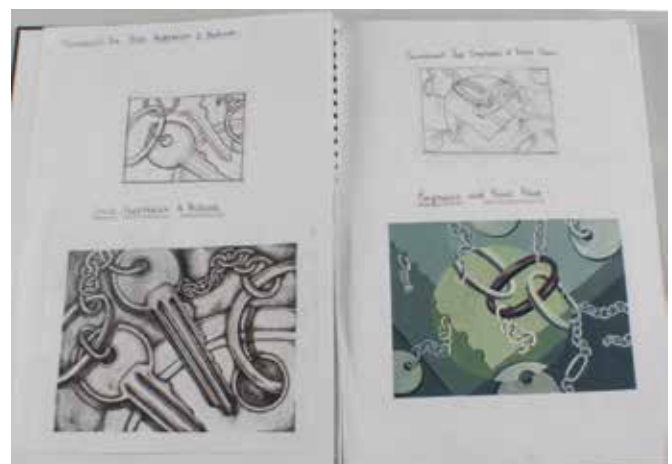
Presentations for CR 210 and CR 220 will be made to the Department of Fine Art & Ceramic Design, which is based at the CIT Crawford College of Art and Design at Sharman Crawford Street campus in Cork City.

Please note that the application procedure and review of presentations for CR 600 will be held in the Department of Media Communications, which is based at CIT Bishopstown campus on the ground floor - C corridor of the main building.

- All work should be contained within a secure art portfolio that is clearly labelled with your name, address, contact telephone number, and your correct CAO number.
- Each individual artwork must be clearly labelled on the reverse, if desired, with your correct CAO number.
- Applicants of CR 210 BA (Honours) in Fine Art, and CR 220 BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) are required to present their portfolios in person to the College. After the portfolio has been viewed, you have the opportunity to meet a small panel of staff informally, and to view the college and the facilities.
- Applicants of the CR 600 BA (Honours) in Visual Communications are responsible for delivery and collection of their portfolios. The department secretary will issue the applicant with a collection receipt and on return the receipt is handed in and the portfolio returned. Portfolios not collected within a reasonable time period are not the responsibility of the department.
- Portfolios may be posted or shipped to the Department of Media Communications, CIT. However, the Department cannot be responsible for wrapping and return shipping.

**Note: If you apply to both CR 600 and CR 210 or CR 220, we will facilitate applicants in holding the portfolio reviews at the Sharman Crawford Street Campus so as to avoid having to attend at two locations.**

If you have any queries please contact [ccad.enquiries@cit.ie](mailto:ccad.enquiries@cit.ie)  
Portfolio Guidelines: <http://ccad.cit.ie/portfolio>



# Contemporary Applied Art (Ceramics, Glass, Textiles) (Honours)

## CR 210 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)

**Duration:** 4 Years (8 Semesters)

**Places:** 15

**Campus:** CIT Crawford College of Art & Design, Sharman Crawford Street, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012: Round 1:** 685 / **Final:** 685

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

**Note 2:** A Portfolio is required.

### What is Contemporary Applied Art?

Contemporary Applied Art encourages fresh ideas, inventive use of materials and techniques, and offers students the opportunity to critically engage with current practice. The course combines studio projects with practical workshop based sessions, alongside contextual academic studies where ideas, historical reference and making are integrated.

### Helpful Leaving Certificate Subject

Art.

### Potential Areas of Employment

- Exhibiting Artist/Designer of unique artifacts
- Gallery/Museum Professional e.g. Curator
- Educator – requires further postgraduate study



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*"The facilities are excellent, and we are encouraged to explore as many different processes as we like, which allows a great sense of creative freedom."*

**Judy Fisher**



[www.cit.ie/course/CR210](http://www.cit.ie/course/CR210)

## Module Information

<http://modules.cit.ie/cr210>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## About the Course

The new and exciting Contemporary Applied Art Degree course explores contemporary ideas, use of materials and offers students the opportunity to creatively develop and make objects. The course combines studio projects and practical workshop based sessions, where idea development and making are integrated. Students have a base studio, where individual and group tutorials, crits, and presentations take place. The contextual academic modules combine lectures, seminars, workshops, and tutorials, encouraging a high level of debate and interaction. The programme is staffed by practicing professionals, and visiting lecturers who regularly contribute specialist expertise.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for:

- Higher Diploma in Arts for Art & Design Teachers
- Master of Arts in Art & Design Education
- Master of Arts in Teaching Visual Arts for Primary and Early Years Education
- Master of Arts in Art & Process

Graduates who have also completed a foundation level course in Art Therapy are eligible to apply for admission to:

- Master of Arts in Art Therapy

Graduates are also encouraged to continue their studies at postgraduate level to MA by research and PhD.

## Career Opportunities

The Degree can potentially lead to a wide variety of career opportunities across a range of art industries from working as an artist, creating unique artefacts for exhibition and commission, art professional within museums and galleries, education, to running workshops.

Graduates may also progress to postgraduate study.

## Contact Information

Trish Brennan  
Department of Fine Art & Ceramic Design  
T: 021 433 5200  
E: [ccad.enquiries@cit.ie](mailto:ccad.enquiries@cit.ie)

## Question Time

### Is there any written exam?

There are no sit-down exams. However, there are many academic modules where assessment is in essay, report, seminar paper/thesis format.

### Does the College provide all the materials for coursework?

Materials for course work are available through the College. Students are asked to contribute for materials annually.



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**Martha Cashman**  
Artist



Martha ran a successful business in Interior Decorating in the USA for many years before returning to Cork to study the BA (Honours) in Ceramic Design at the CCAD, graduating in 2007. She won the Scarva Prize and the UCC Purchase Prize. Martha completed a Business course and has developed her fine art work for the Gift Market. Martha won the Essence of Ireland Award in January 2009 at the RDS.

CCAD Open Day 22 & 23 November



# Fine Art (Honours)

## CR 220 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Fine Art

**Duration:** 4 Years (8 Semesters)

**Places:** 70

**Campus:** CIT Crawford College of Art & Design,  
Sharman Crawford Street, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012:** Round 1: 600 / Final: 600

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

**Note 2:** A Portfolio is required.

### What is Fine Art?

Fine Art describes any art form developed primarily for aesthetics or concept rather than utility.

### Helpful Leaving Certificate Subject

Art.

### Potential Areas of Employment

- Artist
- Curator of Exhibitions
- Arts Manager
- Arts Educator



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**myCourse**

*"With its broad spectrum of facilities the CCAD creates a limitless environment, which enables each student to excel in their own creativeness. I love it here!"*  
**Eamonn Shanahan**



[www.cit.ie/course/CR220](http://www.cit.ie/course/CR220)

## Module Information

<http://modules.cit.ie/cr220>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## About the Course

The Fine Art programme provides a studio based education in Fine Art, with emphasis on developing an individual art practice. Students are introduced to the skills and philosophies of the practicing artist, and the course prepares them for active careers in the visual arts or for further study to Master's Degree level.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for:

- Higher Diploma in Arts for Art & Design Teachers
- Master of Arts in Art & Design Education
- Master of Arts in Teaching Visual Arts for Primary and Early Years Education
- Master of Arts in Art & Process

Graduates who have also completed a foundation level course in Art Therapy are eligible to apply for admission to:

- Master of Arts in Art Therapy

Graduates are also encouraged to continue their studies at postgraduate level to MA by research and PhD.

## Career Opportunities

Fine Art offers a series of varied career paths. The course aims to instil individualism and independence. Graduates may build careers as practising artists or work within the cultural and arts sector; galleries, museums or arts programme manager. Many students also continue to the Higher Diploma and/or Masters level to progress their career.

## Contact Information

Trish Brennan  
Department of Fine Art & Ceramic Design  
T: 021 433 5200  
E: [ccad.enquiries@cit.ie](mailto:ccad.enquiries@cit.ie)

## Question Time

**I might like to go on an Erasmus programme, is this possible with this course?**

Yes, we have links with many European colleges and facilitate students to exchange on Erasmus programmes annually.

**Is there any written exam?**

There are no sit-down exams. However, there are many academic modules where assessment is in essay, report, seminar paper/thesis format.

**Does the College provide all the materials for coursework?**

We have material stores in College where materials may be difficult to access and students are required to pay cost price for these, example: fine art papers, paint, clay, inks etc.



**myCIT**  
**myCareer**

**Siobhán Tattan**  
Postgraduate Student



Siobhán graduated with a BA in Fine Art and from Central St. Martin's College of Art and Design, London, with a MA in Fine Art. Siobhán has exhibited widely; the New Wight Biennial LA, UCLA New Wight Gallery, Los Angeles, Smart Project Space Amsterdam, and in 2012 at the Bildt Festival, The Netherlands.

In 2008, she was awarded a prestigious two-year residency at De Ateliers, Amsterdam. Currently she is completing a PhD in Fine Art at Middlesex University.

CCAD Open Day 22 & 23 November

# Multimedia (Honours)

## CR 112 Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Multimedia

**Duration:** 4 Years (8 Semesters)

**Places:** 20

**Campus:** CIT, Bishopstown, Cork.

**CAO Points in 2012: Round 1:** 365 / **Final:** 365

### Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (O/H)	D3 (O/H)

### What is Multimedia?

Multimedia combines the creativity of art and design with the skills and knowledge of computer technologies and programming to create interactive digital media products. Multimedia comes in many different formats. It can be almost anything you can hear or see like text, image, music, sound, video, film, animation, and more. By combining media, content and interactivity, those interested in multimedia can take on and work with a variety of media forms to get their content to communicate across a variety of platforms and in some cases perform interactive experiences.

### Helpful Leaving Certificate Subjects

Art, Music, and English.

### Potential Areas of Employment

- Project Manager/Creative Director
- E-learning/Usability/Information Design
- Web Designer or Developer/App, Games and 3D Designer
- Animator/Video and TV Producer/Digital Music Producer



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**myCourse**

*"The Multimedia programme is a very diverse course. If you are creatively minded and enjoy the challenge of problem solving this is the ideal course for you."*  
**Kenneth Kidney**



[www.cit.ie/course/CR112](http://www.cit.ie/course/CR112)



## Module Information

<http://modules.cit.ie/cr112>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## About the Course

The course is designed to foster a range of studies in areas such as new media, design, social media, music technology, business principles, computing and 2D / 3D visualisations. The course places particular emphasis on individual and team based projects. Students learn how to integrate the various skills and competencies required to produce effective multimedia products.

A unique aspect of this course is its joint delivery with the University of Applied Sciences in Darmstadt, Germany. Since the same course is delivered through English in both CIT and Darmstadt, students can choose to undertake some of their studies in either centre with ease. The Joint Award is internationally recognised and accredited by CIT and the University of Applied Sciences in Darmstadt.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for:

- Higher Diploma in Arts in Public Relations
- MA in Public Relations with New Media
- MA in Journalism with New Media
- MA in Digital Media
- MA in E-learning Design and Development

## Career Opportunities

There is a very broad range of career opportunities for the graduates of the BA (Honours) in Multimedia. All graduates will be comfortable working as part of a multidisciplinary team, managing projects and possibly starting their own business. Areas of specialist employment include e-Learning, Game and App Development, 3D Design, Animation, Interactive Programming, and Audio Technology.



## Contact Information

Trevor Hogan  
Department of Media Communications  
T: 021 433 5812  
E: [trevor.hogan@cit.ie](mailto:trevor.hogan@cit.ie)

## Question Time

### What is the difference between Visual Communications and Multimedia?

Visual Communications is a graphic design course that focuses on creative design for the printed and electronic media.

Multimedia investigates a broader spectrum and focuses on areas such as computer programming, new media, e-learning, 3D animation and video production.

### Is the Multimedia course diverse?

Yes, it is a diverse course. The BA (Honours) in Multimedia allows you to study in the CIT Cork School of Music in areas such as music technology. You also learn about virtual reality by visiting the simulator in the National Maritime College of Ireland and there are also opportunities to work on projects from companies in the CIT Rubicon Centre.

**myCIT**  
**myCareer**

**Rebecca Le Blanc**  
Senior Media Developer



"For my final year project, my team and I developed a suite of multimedia resources to aid primary school teachers deliver curriculum on health and safety in the home.

I worked as a Senior Media Developer with Mind Leaders, one of the world's leading e-Learning providers. My work involves creating online e-Learning courses for schools, training centres, government agencies and retail companies both in Ireland and abroad.

In 2012 I moved to MasterCard as an Analyst in Software Testing & Quality Assurance."

Open Day 22 & 23 November

# Visual Communications (Honours)

**CR 600** Level 8 Award

>> Progression to Postgraduate Programmes

**Application:** CAO

**Award Title:** Bachelor of Arts (Honours) in Visual Communications

**Duration:** 4 Years (8 Semesters)

**Places:** 40

**Campus:** CIT, Bishopstown, Cork.

**Restricted Application/Early Assessment Procedures:** Yes

**CAO Points in 2012:** Round 1: 595 / Final: 595

## Minimum Entry Requirements Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	(Note 1)	D3 (O/H)

**Note 1:** There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).

**Note 2:** A Portfolio is required.

## What is Visual Communications?

Visual Communications in part or whole relies on vision and is primarily presented or expressed with two dimensional images. It presents the idea that a graphic message has the power to inform, educate, or persuade a person or audience.

## Helpful Leaving Certificate Subjects

Art, and English.

## Potential Areas of Employment

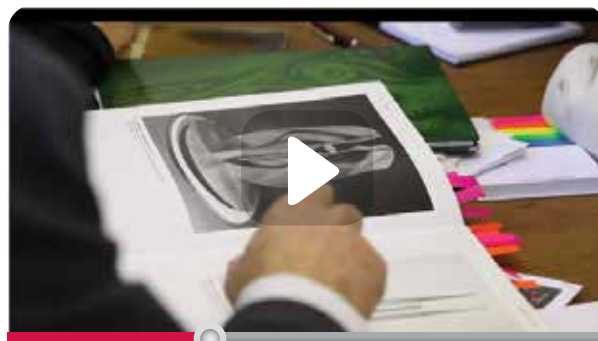
- Graphic Design/Creative Director/Project Manager
- Advertising/Branding/Promotion/Packaging
- Photographer/Illustrator/Animator/Motion Graphic Designer/Web Designer
- Printer/Print Management/Account Manager



**myCIT**  
**myCourse**

*"Since doing this course, I have developed a strong interest in Photography and Typography and have also acquired an interest in the psychology of branding."*

Edel Loughheed



[www.cit.ie/course/CR600](http://www.cit.ie/course/CR600)

## Module Information

<http://modules.cit.ie/cr600>

CIT has developed a website which gives full details of all modules for all courses. The website also has information on recommended textbooks, average weekly workload, assessments, and exams.

## About the Course

The course aims to equip students with the skills required to work as visual designers at an independent and professional level. The course also aims to develop each student's ability to respond to design communication problems in an inventive and creative manner. Students will develop their knowledge of the design process, production techniques and the professional business environment.

This course contains academic components, which are designed to develop the students' knowledge and understanding of their chosen area of specialisation. Through the writing of a thesis, students learn the skills of academic research, argument construction, written communication and presentation, which will assist them in progression to postgraduate study or in their subsequent careers as visual designers.

## Accreditation

This course is fully accredited by Institute of Designers of Ireland.

## Further Studies

For details, see [www.cit.ie](http://www.cit.ie)

Suitably qualified graduates are eligible to apply for:

- Higher Diploma in Arts for Art & Design Teachers
- Higher Diploma in Public Relations
- MA in Public Relations with New Media
- MA in Journalism with New Media
- MA in E-learning Design and Development



## Career Opportunities

The course equips graduates to work in the fast moving exciting world of design. There are traditional jobs in graphic design, advertising and web design in which our graduates can be employed. Many graduates go on to creative director positions and some follow on to start up their own businesses. Our Visual Communications graduates have also studied on Masters programmes in areas such as illustration and design management. Graduates can also work in specialised areas such as photography, web design, and motion graphics.

## Contact Information

Rose McGrath  
Department of Media Communications  
T: 021 433 5812  
E: [rose.mcgrath@cit.ie](mailto:rose.mcgrath@cit.ie)

## Question Time

### How much Art is involved in this course?

A portfolio is a requirement for entry to the course so drawing skills are required. In first year the students are assisted with modules in creative image-making to encourage drawing and mark making skills.

### What is the difference between Visual Communications and Multimedia?

Visual Communications is a graphic design course that focuses on creative design for the printed and electronic media.

Multimedia investigates a broader design spectrum and focuses on areas such as computer programming, technology, media & culture, and business as well as design.

**myCIT**  
**myCareer**

**Paul Gately**  
Graphic Designer



"Throughout the Visual Communications course, I was encouraged to explore my creativity, to push the boundaries, visualise my ideas, rationalise, and present them, all of which are essential skills to have as a designer.

After qualifying from the Visual Communications programme, I worked for a number of top Irish design companies. I now own my own company Motif Design."

Open Day 22 & 23 November



## CIT Crawford College of Art & Design MASTER CHART

CIT Crawford College of Art & Design MASTER CHART										MINIMUM ENTRY REQUIREMENTS				INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT			
Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Certificate Step-off Available	No. of 1st Year Places	Round 1 Points 2012	Final Points 2012	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 210	Contemporary Applied Art (Ceramics, Glass, Textiles)*	181	Honours Bachelor Degree	4		15	Leaving Cert & Portfolio 685	Leaving Cert & Portfolio 685	6	2	(Ref. 1)	D3 (O/H)	✓ (Ref.2)			✓	✓
CR 600	Visual Communications*	187	Honours Bachelor Degree	4		40	Leaving Cert & Portfolio 595	Leaving Cert & Portfolio 595	6	2	(Ref. 1)	D3 (O/H)	✓ (Ref.2)			✓	✓
CR112	Multimedia	185	Honours Bachelor Degree	4		20	365	365	6	2	D3 (O/H)	D3 (O/H)				✓	✓
CR 220	Fine Art *	183	Honours Bachelor Degree	4		70	Leaving Cert & Portfolio 600	Leaving Cert & Portfolio 600	6	2	(Ref. 1)	D3 (O/H)	✓ (Ref.2)			✓	✓

Ref. 1 No requirement for Mathematics. A Grade B2 or higher in Foundation Level Mathematics is recognised as a subject for CR 210, CR 220, and CR 600 and is awarded points as follows: Grade/Points A1/20; A2/15; B1/10; B2/5.

Ref. 2 \* Portfolio required. Please see [www.cit.ie](http://www.cit.ie) for details on portfolio requirements for CR 210, CR 220 and CR 600. Restricted Application / Early Assessment

NOTE: Round 1 Points 2013 can be found inside the cover of this Handbook. Number of First Year Places may change. Leaving Certificate (LC)





# Yellow Pages

Detailed Information on Application for Study at CIT  
(Please refer also to pages 11 and 12 of this Handbook)

How to Apply  
CAO and Closing Dates  
Change of Mind  
Direct Entry Courses  
Entry Requirements  
CAO Points System  
Early Assessment Procedures  
Non-Standard Applicants  
Late Applications  
Supporting Access  
Mature Students  
Disability Support Service  
Recognition of Prior Learning  
FETAC Awards  
Overseas Students  
Leaving Certificate Information  
Course Fees

# Detailed Information

## on Application for Study at CIT

### How To Apply

In this section you will find information on how to apply for the full-time course of your choice.

- For all first year undergraduate full-time courses in CIT, you should apply through the Central Applications Office (CAO).
- For other courses see 'Direct Entry Courses'.

### CAO

**For all first year undergraduate full-time courses on offer through the CAO:**

You should follow the procedures as laid down in the CAO Handbook. Copies are distributed by CAO to second-level schools in Ireland. The CAO Handbook may be accessed online at [www.cao.ie](http://www.cao.ie); copies are also available on request from:

Central Applications Office,  
Tower House,  
Eglinton Street,  
Galway.  
T: +353 (0)91 509 800  
F: +353 (0)91 562 344  
W: [www.cao.ie](http://www.cao.ie)

### CAO Closing Date

The CAO's normal closing date is 1st February. This applies to Irish, EU and non-EU students. Whether you are applying through the CAO by post or on-line, CIT strongly urges you to get your application to CAO well before the deadline to avoid stress and possible disappointment.

### Late Applications

Late Applications are those which are received by the CAO after 1st February. The latest date for receipt in the CAO of such application forms is 1st May. Late applicants are required to pay an additional fee. Late applications can be made for all courses up to 1st May, except for Mature Students and applicants for courses with early assessment procedures, including:

- CR 210 Contemporary Applied Art (Ceramics, Glass, Textiles) (Portfolio required)
- CR 220 Fine Art (Portfolio required)
- CR 600 Visual Communications (Portfolio required)
- CR 121 Music (Music Entrance Exam)
- CR 700 Theatre & Drama Studies (Entrance Assessment)
- CR 125; CR 126; CR 127; CR 128; and CR 129: Popular Music (Entrance Exam)

**Exceptional closing date for current third-level students  
22nd July 5.15pm.**

Subject to some exclusions, as well as to the usual conditions for late applications, if you are currently a student in any year in any higher education institution, you may make a Late Application, in paper form only, to arrive in CAO not later than 5.15pm on 22nd July. The CAO Form must be stamped on Page 2 by the Admissions Office of the institution where you are a student.

### Change Of Mind

The CAO system allows changes to be made to applications up to 5.15pm on 1st July. A Restricted Application course cannot be added to your CAO application after 1st February. You may, however, alter your preference ranking for such courses.

**Exceptional closing date for current third-level students  
22nd July 5.15pm.**

Subject to certain exclusions as well as to the usual conditions for Change of Mind, if you are currently a student in any year in any higher education institution, you may submit a **Change of Mind**, in paper form only, to arrive in CAO not later than 5.15pm on 22nd July. The Change of Mind Form must be stamped by the Admissions Office of the institution where you are a student.

### Direct Entry Courses

**For certain courses, application is made directly to the Institute and not through the CAO. This applies to the following:**

- All Honours Bachelor Degree courses which follow on from an Ordinary Bachelor Degree (Level 7).
- Levels beyond the first year of a course.

**Closing Date for direct entry for the above courses:  
1st May.**

**Applicants for the following courses should contact the relevant Department for information concerning application procedures and closing dates:**

- Part-time courses
- Higher Diploma in Arts for Art & Design Teachers at CCAD
- Postgraduate courses
- Higher Certificate in Science in Nautical Studies at NMCI
- Higher Certificate in Business for Mature Students
- Higher Certificate in Science in Good Manufacturing Practice & Technology
- ACCS courses
- BA in Community Development

Application Forms for direct entry to these courses are available from: Admissions Office, Bishopstown Campus or CIT Crawford College of Art & Design, CIT Cork School of Music or National Maritime College of Ireland (as appropriate).

Copies of any qualifications, transcripts of results and other relevant documentation should be included with the application. Applicants awaiting examination results should ensure that these are forwarded to the Admissions Office as soon as they become available.

The Admissions Office  
Cork Institute of Technology  
Bishopstown  
Cork  
T: 021 433 5043/5037  
E: [admissions@cit.ie](mailto:admissions@cit.ie)



## Entry Requirements

For admission to a course, standard applicants must

- **score the necessary CAO points and**
- **meet the minimum entry requirements. These requirements may be altered for certain categories of applicant; see “Non-Standard Applicants”.**

## The CAO Points System

Standard applicants for first year courses will be awarded points by applying the points scale in the table below to the results obtained in the Leaving Certificate Examination. This is the normal CAO points scale. The SIX best results in one sitting of the Leaving Certificate examination will be used for points calculation. Applicants are reminded that the points required for a course vary each year according to supply and demand for places. Please note that meeting the minimum entry requirements is a separate matter to the calculation of CAO points.

Leaving Certificate Grade	Higher Paper Points	Ordinary Paper Points
A1	100	60
A2	90	50
B1	85	45
B2	80	40
B3	75	35
C1	70	30
C2	65	25
C3	60	20
D1	55	15
D2	50	10
D3	45	5

## Implementation of Bonus Points for Higher Level Mathematics

### Points awarded

A bonus of 25 points will be allocated to students who achieve a grade D3 or above in Higher Level Mathematics.

### Time scale

The scheme was introduced for a four year pilot period commencing Leaving Certificate 2012 and will be reviewed in 2014.

### Formula

- All students presenting HD3 or above in HL Mathematics will have 25 points added to their score for Mathematics.
- The six highest subject points scores will then be counted to achieve a cumulative points score, as is normal practice.

The bonus points will only be relevant in cases where the subject HL Mathematics (including bonus points) is scored as one of the candidate's six best subjects for points purposes.

## Random Selection

Under the CAO scoring system, it is sometimes necessary to allocate the remaining places on a course among applicants who have equal CAO points. To ensure fairness, this is carried out by the CAO on the basis of randomly assigned numbers.

## Early Assessment Procedures for CAO Courses

### CIT Crawford College of Art & Design

For further information please email [ccad.enquiries@cit.ie](mailto:ccad.enquiries@cit.ie)

**BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210**

**BA (Honours) in Fine Art CR 220**

**BA (Honours) in Visual Communications CR 600**

Applicants will be required to present a portfolio of work in addition to having the minimum entry requirements detailed in the course information. Further details of the procedures, subject requirements, and points scale are in the course information for the CIT Crawford College of Art & Design in this Handbook.

### CIT Cork School of Music

For further information please contact the CSM Administrator, Noranne Elliott, T: 021 480 7307 E: [noranne.elliott@cit.ie](mailto:noranne.elliott@cit.ie) and check the CIT website at [www.cit.ie](http://www.cit.ie).

### BMus (Honours) CR 121

This is a Restricted Application Course and all applicants must sit the CIT Cork School of Music (CSM) Honours Degree Entrance Exam (April 2014). This involves performance, aural and sight-singing tests, and a written paper dealing with rudiments, compositional techniques [harmony] and general musical knowledge. Normally, applicants should have reached at least Grade VI on their Principal Instrument. Further details of the procedures, subject requirements, and supplementary points allocated for the Entrance Exam are in the course information section for the CIT Cork School of Music in this Handbook.

### BA (Honours) in Theatre & Drama Studies CR 700

This is a 'Restricted Access' course which means that you must undergo an assessment day in the CIT Cork School of Music, Union Quay, Cork (April 2014). CSM will assign a points score out of a maximum of 600 on the basis of this assessment. This is then added to your Leaving Cert points score and the CAO then use the resulting total out of 1200 to rank all eligible candidates and offer places on the course.

For the practical assessment, candidates will prepare a three-to-four minute monologue from a published play of their choice. Individual auditions/interviews will also include the performance of a short, previously unseen text given on the day. Each candidate will also take part in a 45-minute group drama workshop and complete a brief written exercise on an unprepared theatre topic.

### BA (Honours) in Popular Music:

**CR 125 Popular Music: Electric Bass Guitar**

**CR 126 Popular Music: Drums**

**CR 127 Popular Music: Electric Guitar**

**CR 128 Popular Music: Keyboards**

**CR 129 Popular Music: Voice**

This is a 'Restricted Access' course which means that you must undergo an assessment day in the CIT Cork School of Music, Union Quay, Cork (April, 2014). CSM will assign a points score out of a maximum of 600 on the basis of this assessment. This is then added to your Leaving Cert points score and the CAO then use the resulting total out of 1200 to rank all eligible candidates and offer places on the course.

Applicants will be required to prepare two contrasting pieces of music; undergo an interview; and sit a written assessment paper.

## Garda Vetting

CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on CR 031 Social Care, CR 620 Early Years Education, CR 032 Recreation & Leisure Management and CR 121 Music programmes. It is important to note that participation in or completion of these programmes may be affected by subsequent disclosure/discovery.

While every effort is made to ensure the accuracy of the information contained in this handbook the issue of Garda Vetting is continuously being reviewed and updated and therefore a Garda Vetting requirement may be subsequently added to a programme.

For more information, visit [www.cit.ie/gardavetting](http://www.cit.ie/gardavetting)

## Minimum Entry Requirements

Full details of minimum entry requirements for courses are outlined in the relevant course information section of this Handbook. In particular, there are early assessment procedures for some courses. Applicants are advised to check the relevant subjects, tests, and dates very carefully. See also pages 11 and 12 in this Handbook.

## Deferring a Place

The Institute will try to facilitate successful applicants who wish to postpone entry.

The recommended procedure is as follows:

1. Applicants should not accept the offer through the CAO;
2. The applicant receiving the offer should write immediately to the Admissions Office, CIT, so that the letter arrives not later than two days before the reply date for the offer, seeking a deferral and setting out the reason for the request. The applicant should enclose with the letter, Part C of the Offer Notice.

Applicants are NOT allowed to defer the results of the Entrance Exam for the Bachelor of Music (Honours) CR 121; Bachelor of Arts in Theatre & Drama Studies CR 700, or the Bachelor of Arts in Popular Music CR 125; CR 126; CR 127; CR 128; CR 129 from one year to the next.

## Non-Standard Applicants

### Special Category (Non-Standard) Applicants

Certain applicants may be assessed on a basis different from the CAO Points System. These are called Special Category or Non-Standard Applicants. There are several categories, and these are detailed on Page 3 of the CAO Application Form.

If you wish to be considered as a special category applicant you should tick the relevant box on Page 3 of the CAO form. CIT welcomes applications from Special Category Applicants and those who wish to be considered as such should fill out the appropriate section of the CAO Application Form. In addition, applicants may be invited for interview for some courses. Special Category Applicants are of course entitled to be assessed on the same basis as any other applicant on the basis of points achieved. This means that Special Category applicants will be credited with the Leaving Certificate points that they may have obtained.

## Late Applications (Special Category)

CIT will accept applications from Special Category Applicants up to 1st May, **except for mature applicants and applicants for courses which have early assessment procedures.** All such applications should be made through the CAO in the first instance.

**The principal special category types of applicant are as follows:**

### Mature Students

To be eligible under this category, applicants must be 23 years old by 1st January of the proposed year of entry. When making an application through the CAO, Mature Students can apply under 3 categories:

1. Leaving Certificate results and/or (up to 1st May)
2. FETAC results and/or (up to 1st May)
3. Mature Student (up to 1st February)

Assessment will be based on the strongest of these three categories. Under category 3 as a mature applicant you may not be required to satisfy the minimum entry requirements. You will be asked to write a Personal Statement to include information on relevant work experience, skills gained through experiential learning and other qualifications. Assessment of such applications will be based on the information provided in this personal statement. Some Departments may also interview mature applicants in addition to this.

**There is no late closing date for mature applicants. However, if a mature student wishes to apply through the CAO using a Leaving Certificate or FETAC qualification he/she can do so up to 1st May.**

### GCE/GCSE

This category includes GCE A-Level and AS Level, and GCSE/O-Level.

### Other School-Leaving Exams

The CAO form has a section for the description of other school leaving exams, including those obtained outside Ireland.

### Further Education (see also the FETAC section)

- (a) FETAC/NCVA qualifications achieved in 1999 or earlier.
- (b) Students holding National Craft Certificate, Senior Trades or NTCB qualifications (for example) may be considered for entry to a course related to the qualification.
- (c) Post-Leaving Certificate (non FETAC) qualifications may be considered and will be assessed individually.

### Higher Education

(Institutes of Technology, Universities, Colleges of Education etc) The CAO form has space for details of such study.

## Supporting Access

CIT's Access Office works with groups who are under-represented in higher education such as

- Students who are socio-economically disadvantaged;
- Students with disabilities;
- Mature students;
- Members of the traveller community;
- Ethnic minority students.

The Access Office organises supports such as information sessions, school visits, parents' information sessions, student shadowing, induction programmes, the Mature Student Support Network, and financial assistance.

### Contact

Deirdre Creedon  
Access Officer  
T: 021 433 5140  
E: deirdre.creedon@cit.ie

## Progression Scheme for CIT Linked Schools

**This is an Access initiative for students from CIT linked schools. Students from linked schools can apply for entry onto programmes of study in CIT.**

The Progression Scheme is a supplementary admissions scheme to CIT for school leavers from 20 designated Cork City and County Schools. Cork Institute of Technology will make available 50 places for Progression Scheme participants. Successful applicants will be given the opportunity to apply for programmes of study in CIT on a reduced points basis. The Institute will provide post entry support for the participants in the form of induction and orientation, academic supports, educational guidance and, where possible, financial assistance.

### Contact

Access Office  
T: 021 433 5139 / 021 433 5141  
E: linkedschools@cit.ie

## Student Assistance Fund

The Student Assistance Fund provides financial assistance for full-time CIT students who are experiencing financial difficulties whilst attending college. Students can apply for Student Assistance to help them with either temporary or ongoing financial difficulties. The Student Assistance Fund provides a further source of funding for higher education students in addition to schemes such as the Maintenance Grant. The Student Assistance Fund is funded by the Irish Government and part-funded by the European Social Fund under the Human Capital Investment Operational Programme 2007-2013. For more information on financial supports, visit [www.studentfinance.ie](http://www.studentfinance.ie).

### Contact

Deirdre Falvey or Deirdre Creedon  
Student Services  
T: 021 433 5750 / 433 5140  
E: deirdre.falvey@cit.ie

## Student Induction Programme

Each year the Access Office organises an Induction and Orientation Programme for First Year students. Existing students of the Institute are recruited and trained as Student Leaders. At Registration and during the first week on campus, Student Leaders assist Freshers by giving them information on student supports and services, providing them with a tour of the campus facilities, and generally helping them to settle in.

## Mature Students

To be eligible under this category, applicants must be 23 years or older by the 1st of January of the proposed year of entry.

### Contact

Sinéad O'Neill  
Mature Student Officer  
T: 021 433 5109  
E: maturestudent@cit.ie

### The Application Process

The majority of CIT's full-time courses are offered through the Central Applications Office (CAO). Applications can be made online at [www.cao.ie](http://www.cao.ie) or by paper application. Applicants should follow the procedures as laid down in the CAO Handbook.

The CAO closing date is February 1st each year. **Late applications are not accepted from mature students applying for entry into CIT.**

Mature applicants are entitled to be assessed on the basis of points but may not be required to have the minimum entry requirements if they apply as a mature student. For mature applicants relevant work experience, skills gained through experiential learning, and other qualifications will be considered in the assessment of these applications. Applicants will be asked to provide this information by submitting a Personal Statement as part of the CAO application. Mature applicants may be interviewed for a place on a course.

If you have enquiries about CIT's admissions procedures, please contact:

Admissions Office,  
Cork Institute of Technology,  
Bishopstown, Cork.  
T: 021 433 5037  
E: admissions@cit.ie

Applications for Advanced Entry (post Year 1 of a course) are made directly to the CIT Admissions Office and not through the CAO.



## Recognition of Prior Learning

RPL is a process that recognises that you may have relevant learning before you begin a course. It can include what you have learned in training programmes, courses, or through your work and life experiences. For further details, see [www.cit.ie/rpl](http://www.cit.ie/rpl).

## Mature Student Supports

CIT has a full time Mature Student Officer who provides support to prospective and registered mature students.

Pre-entry support for prospective mature students includes:

- Information Sessions
- Further Education Links
- Community Presentations
- Information on the Application Process
- Maths for Matures Programme

## Information Evening

Each year an Information Evening is held in CIT for prospective mature students. At this event, information is provided on course and career options, application process, life in CIT as a mature student, grants, fees, financial assistance, student supports and services etc. Representatives from the various academic disciplines are available to speak to prospective students at this event about course requirements and content.

## Maths for Matures Programme

The Maths for Matures Programme allows prospective mature students to demonstrate their ability in Maths when applying for science/engineering courses in CIT. The Programme takes place prior to the CAO closing date of the 1st February and consists of an elementary maths course followed by a brief test on the work covered and a feedback session.

## Post-entry support for prospective Mature Students

The Mature Student Support Network provides a range of supports to registered students in CIT, including the following:

- Orientation Programme and Preparatory Maths Programme for mature students
- Support in the following provided through workshops and online: resources-study skills, exam techniques, academic writing skills etc
- Mathematics Support Sessions (delivered by the Academic Learning Centre)
- Information on Financial Supports
- One-to-one support

## Tips for Prospective Mature Students

- Complete your CAO Application in plenty of time. DO NOT LEAVE IT UNTIL THE LAST MINUTE!
- Don't put all your eggs in one basket! Keep your options open when applying for courses. Applying for one course does not necessarily mean that you will be successful in securing a place on that course.
- Establish your interest in a course.
- Research the course(s) that you are applying for, so that you know exactly what you are undertaking. Talk to current students or graduates about modules and courses which you have an interest in and consider where your strengths lie.
- If submitting a Personal Statement as part of a CAO application, ensure that it provides a comprehensive account of your skills and qualifications, and their relevance to the course(s) being applied for. If you are applying to more than one college or for more than one course, then you will need to provide a more general personal statement.

- Contact the Course Coordinator or Head of Department about your course of interest.
- Check the following:
  - Is a background in specific subjects required for entry to the course?
  - How many hours a week will the timetable require?
  - How many hours a week will you be required to study?
  - Check <http://modules.cit.ie> for detailed module information.
- Be aware of the implications that returning to full-time education will have on your life, particularly in the following areas:
  - Financial
  - Family
  - Work
  - Social outlets
- This will allow you to organise and prioritise commitments prior to beginning your course.

## Financial Supports

Taking up full-time education impacts considerably on various aspects of a person's life. One of the most important things to consider when planning on taking up full-time education is the financial implications on your life. It is strongly advised that you research the cost implications e.g. fees and the various types of financial supports that are available to students. See [www.studentfinance.ie](http://www.studentfinance.ie) for further information.

## Student Grant

The student grant is the main source of financial help available from the Irish State for students in full-time higher education undergraduate courses. For eligible students, the grant is intended to assist with the various costs of participating in higher education. Family and/or personal income is a key factor that will be assessed when you apply for a student grant but there are also some other conditions. The website [www.studentfinance.ie](http://www.studentfinance.ie) can guide you through assessing your eligibility. The official decision on eligibility for a grant is made by the grant-awarding body.

If you think you are eligible for the student grant, you should apply for it as soon as possible. You do not have to wait until you receive an offer of a place or enrol in college. All NEW grants applications are made online to a single awarding authority, SUSI (Student Universal Support Ireland), a unit of City of Dublin VEC, through [www.studentfinance.ie](http://www.studentfinance.ie).

## Back to Education Allowance

The Back to Education Allowance (BTEA) allows people in receipt of certain social welfare payments to retain those payments whilst participating in approved full-time courses in higher education. The BTEA allows qualifying persons to return to full-time education in approved courses while continuing to get income support. Approved programmes range from foundation courses to postgraduate courses. Participants receive a standard rate of payment that is not means-tested.

Since September 2010, students entering a new course who are in receipt of the Back to Education Allowance will no longer be eligible for a maintenance grant. Such students can, however, apply under the relevant student grant scheme to have the Higher Education Student Contribution Fee and any tuition fees payable for the course paid on their behalf. If you are signing for unemployment 'credits' only, you may qualify to take part in the scheme but you will not get a payment.

Visit [www.studentfinance.ie](http://www.studentfinance.ie)

## CIT Disability Support Service

The aim of the Disability Support Service in CIT is to encourage the participation and access of students with disabilities into third-level education. CIT offers a very person-centred approach to providing support to students with disabilities, recognising that each student will have different needs. Our service tries to accommodate each student on an individual needs basis. In order to develop this approach to meeting student needs as efficiently as we can, we would urge the students that need to use the service to make contact with the Disability Support Officer as early in the academic year as is possible.

CIT is committed to a policy of equal opportunity in education and to ensuring that students with a disability have an equal access to education at third-level as is reasonably possible to provide to them. Every student with a disability has the right to reasonable and appropriate accommodations determined on an individualistic basis in accordance with the students certified disability.

The Disability Support Service in CIT operates a strict confidentiality policy and all students' records and disclosure of information will only occur with the students consent.

### Disability Access Route To Education

The Disability Access Route to Education (DARE) is a supplementary admissions scheme for school leavers with disabilities. DARE was established by a number of colleges and universities as clear evidence shows that disability can have a negative impact on how well a student does at school and whether they go on to college.

School leavers who meet the eligibility criteria compete for a quota of places allocated to applicants on a reduced points basis in CIT. All applicants must meet the Irish Leaving Certificate (or equivalent), matriculation / minimum entry and subject requirements. As the minimum entry and subject requirements may be different for each course, applicants should check this Handbook for the requirements of each preference listed on your CAO form.

#### Who Should Apply to DARE?

DARE is for school leavers (under 23 years old as at January 1st 2014), who have the ability to benefit from and succeed in higher education but who may not meet the points for their preferred course, due to the impact of a disability. Mature and FETAC students have different admissions routes and you can get further information on these routes from the CIT Access Service, T: 021 433 5138.

#### How to Apply to DARE?

1. Apply to CAO by 5:15pm on 1st February 2014.
2. No later than 5:15pm on 1st March 2014, you must disclose your disability and/or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (the SIF is a part of your CAO application). If you wish to be considered for the DARE scheme, you must indicate this on Section A of the fully completed SIF by ticking "Yes" to Question 5 by 5:15pm on 1st March 2014.
3. You must return the fully completed Second Level Academic Reference (Section B) and Evidence of Disability (Section C) of the SIF to arrive at CAO no later than 5:15pm on 1st April 2014.

Applicants with a Specific Learning Difficulty or Dyspraxia must return a fully completed psycho-educational assessment completed by an appropriately qualified Psychologist, in place of Section C. Applicants with Dyspraxia must also provide additional verification (For more information on evidence of disability see [www.accesscollege.ie](http://www.accesscollege.ie)).

#### Condition of a DARE Offer

Students who receive a DARE offer must register with the CIT Disability Service and agree on a schedule of meetings with the service.

More information on DARE is available from your school's Guidance Counsellor or CIT's Disability Support Service.

#### Contact

Laura O'Rourke  
Disability Support Officer  
T: 021 433 5107  
E: [dare@cit.ie](mailto:dare@cit.ie)  
W: [www.cit.ie/access\\_disability](http://www.cit.ie/access_disability)  
W: [www.accesscollege.ie](http://www.accesscollege.ie)  
W: [www.cao.ie](http://www.cao.ie)

### Funding Support

There is a fund for students with disabilities. The fund provides assistance and equipment to enable them to access, participate and to complete their chosen studies. Students attending full-time courses in CIT are eligible to apply to the fund. Applications to the fund are made on behalf of an eligible student by the Disability Support Officer following an assessment of need. Applications cannot be made directly to the fund by students.

This fund is for a person with a disability, and who has specific support needs. The definition of disability commonly accepted is: A student is disabled if he/she requires a facility which is outside of the mainstream provision of the college in order to participate fully in higher education and without which the student would be educationally disadvantaged in comparison with their peers.

Students who generally apply for funding are students who are or have:

- Hard of Hearing/Deaf
- Visual Disability/Blind
- Specific Learning Difficulties
- Physical Disability
- Medical Disability
- Issues around Mental Health

The Disability Support Officer is also responsible for the management of the funding approved for eligible students.

The Fund for Students with Disabilities is funded by the Irish Government and part-funded by the European Social Fund under the Human Capital Investment Operational Programme 2007-2013.

### Supports Available

There are a number of different categories of support that can be offered to students with disabilities in the form of:

- Personal assistants;
- Sign language interpreters;
- Note takers;
- Speed text/Stereotype operators;
- Photocopying;
- Additional tutorial support;
- Assistive Technology;
- Alternative Media Formats;
- Open Access Lab;
- Liaise with Academic staff on behalf of or with students (with consent).

## Examination Supports

The Disability Support Service liaises with the Examinations Office to provide exam support to students with disabilities at exam times – be it end of semester exams or in-class examinations. Some exam supports available include the following:

- Provision of a scribe;
- Provision of a reader;
- Extra time (usually 10 minutes per hour);
- Access to assistive technology.

### Contact

Laura O'Rourke  
Disability Support Officer  
T: 021 433 5107  
E: laura.orourke@cit.ie

## Recognition of Prior Learning

CIT has a process which allows you to get recognition for what you already know relevant to a particular programme of study. Your 'prior learning' can be what you have learned in training programmes, in courses or through your work and life experiences. By having this learning recognised you may be able to reduce the amount of time you need to study to get your qualification.

### In CIT, RPL can be used to gain:

1. An exemption or mark for a module or for a number of modules.
2. Entry to a programme in first year where the standard entry requirements have not been met.
3. Advanced entry to a programme at a stage other than first year.

## What type of learning do you have?

### Prior Formal Learning

This means that you are applying because you have already been successful in a similar or equivalent module or course. It is necessary to state what exam(s) form the basis of your case and present this information along with proof of learning. Prior formal learning cases are allowed at all levels and on all programmes in CIT.

### Prior Non-Formal & Informal Learning

You may have learning from life and work experience relevant to a programme in CIT. You may want to have this learning recognised and you believe that you can provide sufficient evidence. Such learning will not have been assessed for credit before now. In CIT the candidate is provided with help to present a prior learning case.

If you feel you have a case you must arrange to meet and discuss your case initially with either the Head of Department or the Course Coordinator. As part of this process you will be asked to develop a portfolio which details your learning relevant to a programme in CIT. Support and advice is available from the RPL Coordinator on developing your portfolio.

### Advanced Entry

CIT, where possible, allows advanced entry to a programme on the basis of prior learning. If you feel you may have sufficient learning you should arrange to meet and discuss your case with the Head of Department or the Course Coordinator.

## How Do I Apply for RPL?

You must first register as a student in CIT for a programme or module. It is recommended that you discuss your case with the Course Coordinator or module lecturer before beginning the application process as they will be able to advise and direct you. RPL application forms and further information are available at [www.cit.ie/rpl](http://www.cit.ie/rpl)

### Important Dates

These will be posted on [www.cit.ie/rpl](http://www.cit.ie/rpl). In general:

For Semester 1, register your RPL application by the beginning of September and your completed application must be received by mid-October.

For Semester 2, register your RPL application by the beginning of February and complete your application by mid-March.

For applications received outside of these dates assessment cannot be guaranteed in that semester.

Contact Phil O'Leary who will explain what is required and will assist you with your application and portfolio preparation.  
T: 021 433 5132 E: [phil.oleary@cit.ie](mailto:phil.oleary@cit.ie)

### Note on Fees

While the module fee is payable in advance, in the case of a successful prior formal learning application, an examination fee is charged and the difference is refunded.

## FETAC Awards: Admission to CIT

### Scoring of FETAC Awards in the CAO

FETAC operates within the National Framework of Qualifications (NFQ), and its awards have been placed at Level 5 or Level 6 of the framework as appropriate. Holders of FETAC awards at Level 5 of the NFQ should apply through the CAO system. Points will be allocated and will be used to place applicants in order, in the same rounds of CAO offers as Leaving Certificate applicants. Applicants must present a full award totalling 120 credits. This full award may be accumulated over more than one academic year.

A new scoring system has been agreed for all level 5 and 6 FETAC awards, providing access through CAO to the first year of programmes leading to awards at Levels 6, 7 and 8. The new scoring system has been applied from 2013.

The new scoring system applies where all the requirements for the major award are met, i.e. when the specified component awards have been achieved, totalling 120 credits.

To calculate your score you must know the credit value of your component awards.

- Each component is given a score based on the credit value of the component and the weighting of the grade achieved.
- Most component awards have a credit value of 15 (the possible component credit values are 5, 10, 15, 20 and 30).
- The following weightings will apply to the grades achieved: pass=1, merit=2, distinction=3.
- To calculate a component score, multiply the credit value of the component by the weighting for the grade achieved.
- Add all of the component scores up to a cumulative credit value of 120. When adding up these scores begin with distinctions, then merits, then passes.
- Finally, multiply the total by 10 and divide by 9 to give the overall score (maximum 400).



## Example of the new FETAC scoring scheme

In this example the applicant has 7 distinctions. The components have various credit values as indicated. The table below shows the steps required to calculate the overall score. Begin by listing the components in grade order, all distinctions in this case.

STEP								
1	Grade	D	D	D	D	D	D	D
2	Credit Value	30	30	15	15	15	15	15
3	Cumulative Credit Value (Max = 120)	30	60	75	90	105	120	n/a
4	Credit Value for Scoring (Max = 120)	30	30	15	15	15	15	0
5	Weighting	3	3	3	3	3	3	n/a
6	Weighting x Credit Value	3x30	3x30	3x15	3x15	3x15	3x15	n/a
7	Add Results	90	90	45	45	45	45	=360

The applicant has 135 credits and can only count 120 for scoring purposes, so eliminate 15 credits with the least value – i.e. eliminate one of the distinctions with a credit value of 15.

**Now multiply 360 by 10 and divide by 9 = 400.**

Practical steps to calculating your own score are available in the **Learners Section** of [www.fetac.ie](http://www.fetac.ie) along with additional worked examples.

Quality and Qualifications Ireland (QQI) forwards all relevant FETAC results to CAO for each applicant, and calculates the best score obtained for each candidate.

If a FETAC applicant also presents a Leaving Certificate, the CAO will use whichever is the better of the Leaving Certificate points or the FETAC points.

## Minimum Entry Requirements for FETAC Award Holders

The following is a general guide. The requirements for particular courses may be varied for holders of FETAC awards. Further information is available on the FETAC Information section of [www.cao.ie](http://www.cao.ie)

### For most Bachelor Degrees on the CAO Level 7 list:

The minimum entry requirement is Leaving Certificate Grade D3 at Ordinary Level in five subjects including Mathematics and either English or Irish.

- The corresponding minimum entry requirement for holders of FETAC awards is a full FETAC Level 5 award totalling 120 credits.
- The requirement for English or Irish may be met by either D3 Ordinary Level in the Leaving Certificate or a pass on a FETAC Communications component (Level 5 or higher).
- The requirement for Mathematics may be met by D3 Ordinary Level in the Leaving Certificate or a pass on a FETAC Mathematics component (Level 5 or higher).
- Applicants should refer to [http://www2.cao.ie/fetac/fetac\\_search.php](http://www2.cao.ie/fetac/fetac_search.php) for specific course requirements.

**NB:** Certain courses may have specific minimum standards specified that are different to the above.

### For most Honours Bachelor Degrees on the CAO Level 8 list:

The minimum entry requirement is Leaving Certificate with two higher C3 grades and four ordinary D3 grades, including Mathematics and either English or Irish.

- The corresponding minimum entry requirement for holders of FETAC awards is a full FETAC Level 5 award in a cognate area totalling 120 credits, including a distinction in 3 components.
- The D3 ordinary grade Leaving Certificate requirement for English or Irish may be met by a pass on a FETAC Communications component (Level 5 or higher).
- The D3 ordinary grade Leaving Certificate requirement for Mathematics may be met by a pass on a FETAC Mathematics component (Level 5 or higher).
- Applicants should refer to [http://www2.cao.ie/fetac/fetac\\_search.php](http://www2.cao.ie/fetac/fetac_search.php) for specific course requirements.

**NB:** Certain courses have specific minimum standards specified that are different to the above. In particular, Level 8 Honours Degrees which have a Mathematics requirement higher than D3 ordinary grade will still require the specified Leaving Certificate Mathematics achievement or an acceptable equivalent.

## Portfolios and FETAC Awards

### Entry to:

- Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
- Fine Art CR 220
- Visual Communications CR 600

will be based on a combination of a CIT assessed portfolio (max 600 points) and the higher score in either the Leaving Certificate (max 600 points) or cognate FETAC award (max 400 points) to include a distinction in 3 components. This arrangement is under review and FETAC applicants to the above courses should check with the Institute's website, or with the Admissions Office.

Further details are available on the FETAC Information section of [www.cao.ie](http://www.cao.ie)

## Cork Further Education Colleges Scheme

In addition to the general FETAC entry arrangements, CIT has established a special pilot scheme for the admission of students who successfully complete courses in Further Education (FE) Colleges in Cork. Under this scheme a number of courses in CIT are linked to certain courses in the FE colleges. CIT reserves a number of places on its linked courses for applicants achieving specified levels and other requirements in their awards.

Ask at your Cork Further Education College for more details, or refer to the following website [www.cit.ie/prospectivestudents/ccps/](http://www.cit.ie/prospectivestudents/ccps/)

### Cork Further Education Colleges

Cork College of Commerce  
Coláiste Stiofáin Naofa  
CityNorth College of Further Education  
St John's Central College  
Kinsale College of Further Education  
Mallow College of Further Education

### Applicants to CIT Year 1 and Year 2

- Students taking a full FETAC Level 5 or 6 award linked under the CCPS to a specific course in CIT may apply for Year 1 entry.
- Students taking a full FETAC Level 6 award linked under the CCPS to a specific course in CIT may apply for Year 2 entry.
- Applicants to Year 1 must apply for the CIT course through the CAO.
- CAO deadline: 1st February. Late CAO applications up to the 1st May are accepted from candidates other than mature students.

Applicants to Year 1 and/or Year 2 need to complete the CCPS application form and submit this to your FE College by 1st May.

You must inform your Course Coordinator that you are applying under the CCPS. Your Course Coordinator must complete Section B (a reference and results) of the CCPS application form.

- The minimum requirement for Year 1 entry onto programmes in CIT is a full FETAC Level 5 Award totalling 120 credits.
- The minimum requirement for Year 2 entry is successful completion of your full FETAC Level 6 Award totalling 120 credits.
- Some courses in CIT may have more specific requirements.

For FETAC Level 6 students, it is strongly advised that you also apply through the CAO for Year 1 entry, as Year 2 entry is not guaranteed.

If successful, students will receive an offer through CAO at Round 2 (end of August).

### Benefits

- Places are reserved at CIT for the successful applicants under the CCPS.
- The CCPS provides an additional opportunity for you to progress your education.

### You may also be assessed

- As a regular CAO applicant based on Leaving Certificate points
- As a regular CAO applicant based on FETAC points
- As a mature student through the CAO (if over 23 by the 1st January on the year of entry)

**Note:** Mature students cannot make a late CAO application for courses of study in CIT. Mature students have to apply by 1st February.

Talk to your FE College Course Coordinator, FE Guidance Counsellor or consult the CIT website for more information.

## Overseas Students

### European Union Applicants

EU applicants (including persons permanently resident in any EU member-state) should apply via the CAO system [www.cao.ie](http://www.cao.ie) by 1st February, giving full details of their qualifications on the CAO form, or for late applications, 1st May. A change of mind can be made by 1st July.

### Non-EU Applicants

Non-EU applicants also apply through the CAO by 1st February. Such applicants may be required to attend for interview at the Institute. The deadline for late applications is the 1st May. A change of mind can be made by 1st July.

## Leaving Certificate Information

### Leaving Certificate Vocational Programme (LCVP)

Holders of the Leaving Certificate Vocational Programme apply in the normal way through the CAO. Points are awarded on the same basis as for the Leaving Certificate. The Link Modules are considered as a single unit and are awarded points on the basis of: Pass 30 points; Pass with Merit 50 points; and Pass with Distinction 70 points. The link modules 'subject' may not be used to meet minimum entry requirements.

### Leaving Certificate Applied Programme

The Leaving Certificate Applied subjects do not meet the minimum requirements for entry. Holders of Leaving Certificate Applied may wish to proceed to a FETAC course and in turn to third-level on the basis of a FETAC award.

## Foundation Level Mathematics

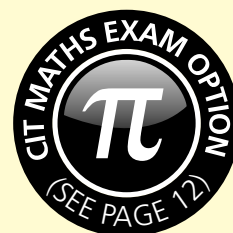
Most (but not all) CAO courses in CIT require Mathematics. A pass in Foundation Level Mathematics does not satisfy the entry requirements in regard to Mathematics. There are two exceptions to this rule, CR 655 Culinary Studies and CR 657 Hospitality Studies, the requirement for D3 (O) Mathematics may also be satisfied by Grade B2 or Higher in Foundation Level Mathematics

Some courses have no requirement for Mathematics. A Grade B2 or higher in Foundation Level Mathematics is recognised as a subject for entry to CIT Crawford College of Art & Design: CR 210, CR 220; and CR 600. CIT Cork School of Music: CR 121; CR 125; CR 126; CR 127; CR 128; CR 129; and CR 700; and CIT Bishopstown Campus: CR 620.

In such cases CAO points are awarded as follows: A1 = 20 points; A2 = 15 points; B1 = 10 points; and B2 = 5 points.

### CIT Mathematics Exam

Some students who apply to CIT courses may not achieve the required entry standard in Mathematics through the Leaving Certificate. For such applicants, CIT offers a second chance to reach the required entry standard through a CIT Mathematics Exam. In order to avail of this "second chance" examination, students must apply online through the CIT website [www.cit.ie](http://www.cit.ie). See Page 12 for more details.



## Course Fees

Tuition Fees are covered by the terms of a government scheme under which the State pays the tuition fees of eligible full-time, non-repeat undergraduate students (from Ireland and the EU) who are not previously graduates. Applicants are advised to check with the website [www.studentfinance.ie](http://www.studentfinance.ie).

### Higher Education Student Contribution

An annual fee\*, set by the government for the higher education student contribution is payable to the Institute. For students who have been notified that they have been awarded a Grant, the fee is paid on their behalf by the grant authority. Other full-time students must pay the fee by a specified date, of which they will be notified. Tax relief can be claimed for a second and subsequent family member who is also attending a higher education institution.

\* (The fee for 2013/2014 is €2,750)

**NB: Failure to pay fees on time will result in a late payment fee of 10% being applied.  
The Fees Office will use your CIT email account for important communications.**

If you are planning to progress to full-time further education or undergraduate higher education in Ireland for the first time and you meet certain nationality and residency requirements, you should be eligible to have course fees paid on your behalf by the State.

Prospective students are strongly recommended to check the website [www.studentfinance.ie](http://www.studentfinance.ie). This is an official Higher Education Authority site which gives very detailed information and advice on the full range of financial supports for students, including grants.

### Grant Applications

All new applications are made online to a single awarding authority, Student Universal Support Ireland (SUSI) through [www.studentfinance.ie](http://www.studentfinance.ie). Students can register online with SUSI and then complete the online application form. Remember, it is NOT necessary to have received an offer of a college place or be enrolled in college in order to apply online.

### Refund Policy

For guideline purposes, the following refund policy applied to the 2012/13 academic year:

A full refund (less 15% administration fee) was given to applicants who officially withdrew (using the Course Withdrawal Form) by the 31st October. No refunds were issued thereafter.

### Contact Information

#### Admissions

T: 021 433 5037/5043

E: [admissions@cit.ie](mailto:admissions@cit.ie)

#### Examinations

T: 021 433 5383/5385

E: [exams@cit.ie](mailto:exams@cit.ie)

#### Course Fees

T: 021 433 5440

E: [fees@cit.ie](mailto:fees@cit.ie)

#### Grants

T: 021 433 5442

### Sports Scholarships

For information, please see the Student Life section at the front of this Handbook.



**[www.cit.ie](http://www.cit.ie)**



# COURSE FAST FINDER

<b>Accounting</b>	14/17/18/21	<b>Crawford College of Art &amp; Design (CCAD)</b>	177
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<i>Including</i>		<b>Interior Architecture</b>	77/79
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<b>Chemistry</b>		<i>Including</i>	
<i>Including</i>		Applied Physics & Instrumentation	139
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# CONTACT INFORMATION

## Bishopstown Campus

(021)

Main Switchboard	432 6100
Admissions	433 5037/5043
Accounts Office	433 5361
Examinations	433 5381/5385
Registrar's Office	433 5393
Library	433 5286/5287
Careers & Counselling	433 5772
Medical Services	433 5780
Students' Services	433 5388
Students' Union	433 5270
Sports Office	433 5767
Societies Office	433 5759
Arts Office	433 5344
Alumni Office	432 6589
Accommodation Office	433 5750
International Office	432 6689
Extended Campus	432 6017
School of Graduate Studies	433 5099
Marketing Unit	433 5396

## Department Secretaries

Accounting & Information Systems	433 5920
Applied Physics & Instrumentation	433 5870
Architecture	433 5950
Biological Sciences	433 5885
Centre of Craft Studies	433 5910
Chemical & Process Engineering	433 5885
Chemistry	433 5870
Civil, Structural & Environmental Engineering	433 5950
Computing	433 5160
Construction	433 5950
Distance Education & Instructional Support	433 5930
Electrical Engineering	433 5470
Electronic Engineering	433 5470
Management & Marketing	433 5920
Mechanical, Biomedical, and Manufacturing Engineering	432 6505
Mathematics	433 5160
Process, Energy & Transport Engineering	433 5910
Media Communications	433 5810
Social & General Studies	433 5310
Tourism & Hospitality Studies	433 5820

<b>CIT CORK SCHOOL OF MUSIC</b>	480 7300
<b>CIT CRAWFORD COLLEGE OF ART &amp; DESIGN</b>	433 5200
<b>NATIONAL MARITIME COLLEGE OF IRELAND</b>	497 0600

**W:** <http://www.cit.ie>

**W:** <http://modules.cit.ie>

**Admissions E:** [admissions@cit.ie](mailto:admissions@cit.ie)

## PUBLISHED BY

Cork Institute of Technology,  
Bishopstown, Cork, Ireland.  
© CIT 2013

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**PHOTOGRAPHY:** Barry O'Sullivan, CIT; Darragh Kane; Roseanne Lynch; Neil Danton, NewsDigital; John MacMonagle, Raven Design; Shane Cronin; and Lisa Twohig.



**NOTE:** Every effort has been made to ensure that the information herein is accurate. However, this Handbook does not infer or impose any legal obligations on Cork Institute of Technology to provide courses or other services to students. It does not constitute an offer to supply modules, courses or subjects. Syllabi, fees, regulations or other information may be altered, cancelled or otherwise amended at any time. This Handbook does not confer any rights on any student registered in the Institute.

E&OE



Ireland's EU Structural Funds  
Programmes 2007 - 2013  
Co-funded by the Irish Government  
and the European Union



The development of Cork Institute of Technology has been supported by the European Union. This support has contributed to staffing, running costs and student grants, allowing the Institute to play a major part in the social and economic development of the country.

**Design & Layout:** Raven Design, Cork.

**Print:** City Print Ltd., Cork

## your views

Feedback on this Handbook is very welcome. Please contact:

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Cork Institute of Technology  
T: 021 433 5396  
E: [marketing@cit.ie](mailto:marketing@cit.ie)

# CIT OPEN DAY

**22nd Nov** 11am - 3pm  
**23rd Nov** 10am - 2pm

[www.cit.ie/openday](http://www.cit.ie/openday)

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INCLUDES  
**2013 CAO POINTS**