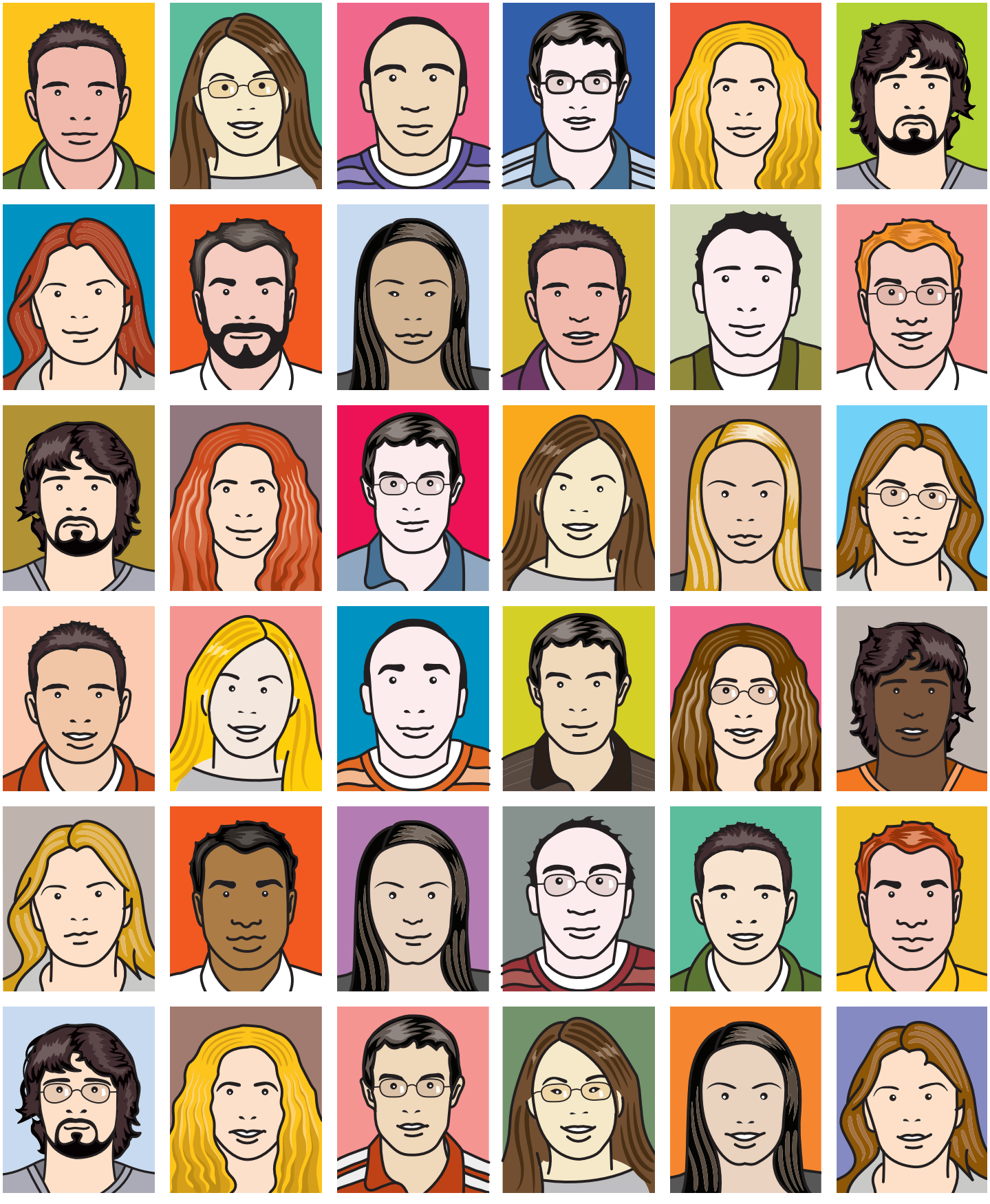


CIT CORK INSTITUTE OF TECHNOLOGY

INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

2013

CAO COURSES
AT CORK INSTITUTE OF TECHNOLOGY

CAO HONOURS DEGREE (LEVEL 8) LIST

CAO CODE	HONOURS BACHELOR DEGREES (LEVEL 8)	ROUND 1 POINTS 2012	PAGE
CR 105	Chemical and Biopharmaceutical Engineering	335	85
CR 106	Software Development	300	151
CR 108	Mechanical Engineering	340	97
CR 109	Structural Engineering	No offers	63
CR 112	Multimedia	365	185
CR 116	Software Development and Computer Networking	305	153
CR 121	Music (at CIT Cork School of Music)*	630	169
CR 125	Popular Music: Electric Bass Guitar (at CIT Cork School of Music)*	New Course	171
CR 126	Popular Music: Drums (at CIT Cork School of Music)*	New Course	171
CR 127	Popular Music: Electric Guitar (at CIT Cork School of Music)*	New Course	171
CR 128	Popular Music: Keyboards (at CIT Cork School of Music)*	New Course	171
CR 129	Popular Music: Voice (at CIT Cork School of Music)*	New Course	171
CR 150	Business Information Systems	325	27
CR 210	Applied Art (Ceramics) (at CIT Crawford College of Art & Design)*	685	181
CR 220	Fine Art (at CIT Crawford College of Art & Design)*	600	183
CR 305	Physical Sciences (Common Entry)	320	129
CR 310	IT Management	290	155
CR 312	Web Development	295	157
CR 320	Biomedical Science (Joint CIT/UCC)	525	141
CR 325	Pharmaceutical Biotechnology	300	145
CR 330	Herbal Science	265	143
CR 333	Nutrition & Health Science	340	147
CR 340	Analytical Chemistry with Quality Assurance	345	131
CR 360	Instrument Engineering	320	135
CR 365	Environmental Science & Sustainable Technology	310	137
CR 400	Accounting	325	23
CR 420	Marketing	295	19
CR 500	Engineering (Common Entry)	345	61
CR 510	Sustainable Energy	300	87
CR 520	Biomedical Engineering	390	101
CR 522	Building Energy Systems	260	89
CR 560	Architectural Technology	290	75
CR 565	Interior Architecture	280	79
CR 570	Quantity Surveying	280	69
CR 572	Construction Management	255	67
CR 580	Electrical Power Systems	305	109
CR 590	Electronic Systems Engineering	330	105
CR 600	Visual Communications*	595	187
CR 660	Tourism	260	35
CR 700	Theatre & Drama Studies (at CIT Cork School of Music)*	685	173
CK 606	Architecture (Joint CIT/UCC)	400	73

* Restricted Application/Early Assessment Procedures

CIT MATHS EXAM OPTION (SEE PAGE 15)

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 5.00pm on Friday, 16th August 2013.



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

CAO CODE	BACHELOR DEGREES (LEVEL 7)	FOLLOW-ON COURSES AT CIT	ROUND 1 POINTS 2012	PAGE
CR 001	Applied Physics & Instrumentation ▲	BSc (Honours) Degree	295	139
CR 006	Applied Biosciences ▲ Degree Award options: Food & Health Science or Applied Biosciences and Biotechnology	BSc (Honours) Degree	290	149
CR 007	Analytical & Pharmaceutical Chemistry ▲	BSc (Honours) Degree	280	133
CR 010	Agriculture ▲	BSc (Honours) Degree	340	31
CR 011	Horticulture	BSc (Honours) Degree	185	33
CR 016	Computing ▲	BSc (Honours) Degree	290	159
CR 021	Business Studies ▲ Degree Award options: Accounting or Business & Management or Marketing	BBus (Honours) Degree	270	21
CR 022	Business Administration ▲ Degree Award options: Business Administration or Business & Management or Marketing	BBus (Honours) Degree	230	29
CR 023	Accounting ▲	BBus (Honours) Degree	310	25
CR 031	Social Care	BA (Honours) Degree	375	49
CR 032	Recreation & Leisure Management ▲	BBus (Honours) Degree	330	53
CR 041	Tourism ▲	BBus (Honours) Degree	240	37
CR 042	Hospitality Management ▲	BBus (Honours) Degree	240	39
CR 046	Transport Management & Technology ▲	BSc (Honours) Degree	210	93
CR 051	Civil Engineering ▲	BEng (Honours) Degree	225	65
CR 052	Construction ▲ Degree Award options: Construction Management or Quantity Surveying	BSc (Honours) Degree	200	71
CR 053	Interior Architecture	BSc (Honours) Degree	220	81
CR 061	Electronic Engineering ▲	BEng (Honours) Degree	230	107
CR 062	Electrical Engineering ▲	BEng (Honours) Degree	240	111
CR 071	Mechanical Engineering ▲	BEng/BSc (Honours) Degree	255	99
CR 072	Building Services Engineering ▲	BEng/BSc (Honours) Degree	225	91
CR 075	Biomedical Engineering ▲	BEng/BSc (Honours) Degree	280	103
CR 077	Craft Technology (Wood) with Business		New Course	83
CR 090	Architectural Technology	BSc (Honours) Degree	260	77
CR 094	Nautical Science (at NMCI)	BSc (Honours) Degree Ship's Master Level	330	117
CR 095	Marine & Plant Engineering (at NMCI)	Chief Engineer Level	320	119
CR 300	Physical Sciences (Common Entry)	BSc (Honours) Degree	290	129
CR 620	Early Years Education	BA (Honours) Degree	370	51
CR 640	Culinary Arts	BBus (Honours) Degree	300	41
CR 650	Bar Management	BBus (Honours) Degree	250	43
CR 805	Marine Electrotechnolgy (at NMCI)		225	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	200	45
CR 657	Hospitality Studies	BBus Degree > BBus (Honours) Degree	AQA	47

▲ 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

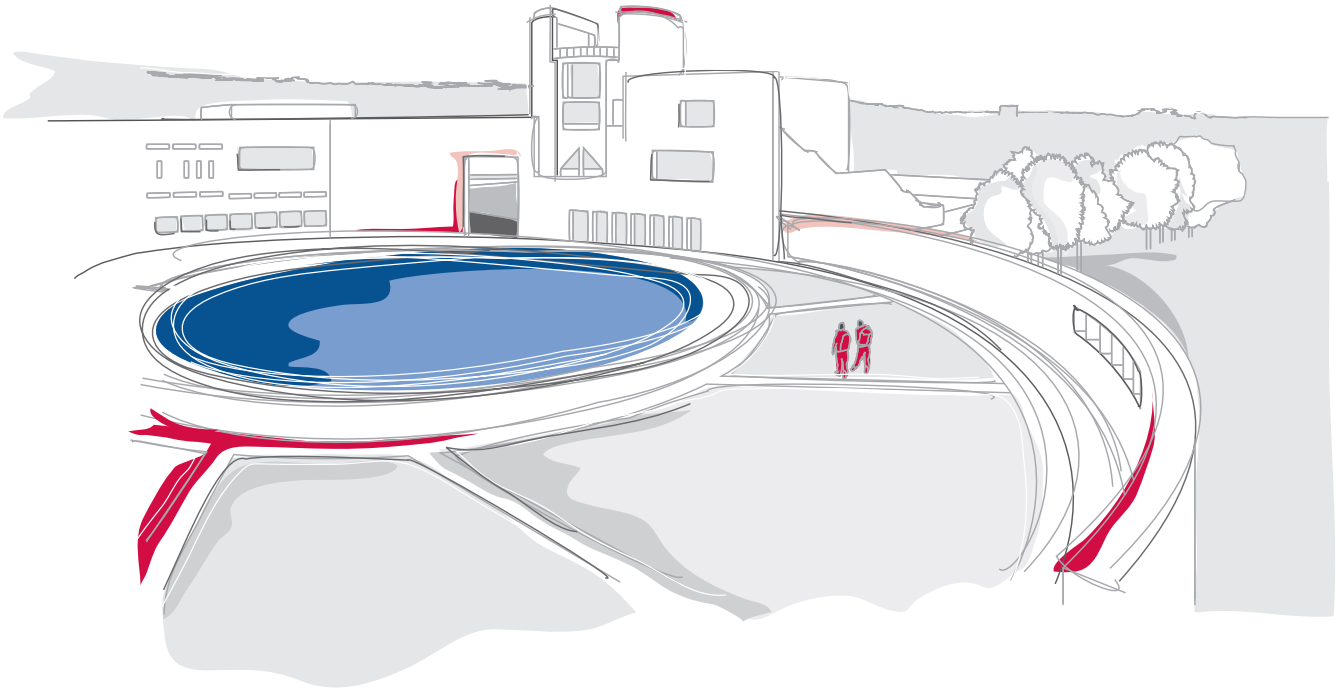
Get the inside story by watching the latest set of video clips… check out www.youtube.com/CIT

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 15.

NEW CAO COURSES

- CR 700 Theatre & Drama Studies (Level 8)
- CR 305 Physical Sciences (Common Entry) (Level 8)
- CR 300 Physical Sciences (Common Entry) (Level 7)
- CR 125 Popular Music: Electric Bass Guitar (Level 8)
- CR 126 Popular Music: Drums (Level 8)
- CR 127 Popular Music: Electric Guitar (Level 8)
- CR 128 Popular Music: Keyboards (Level 8)
- CR 129 Popular Music: Voice (Level 8)
- CR 077 Craft Technology (Wood) with Business (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

www.youtube.com/CIT

www.twitter.com/cit_ie

CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ



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

OCT 23 — **NMCI Open Day**
→ 23rd October 2012, Ringaskiddy
Further information available on www.nmci.ie

NOV 16/17 — **CIT Open Day**
→16th/17th November 2012, Bishopstown Campus

NOV 16/17 — **CIT Crawford College of Art & Design Open Day**
→16th/17th November 2012, Sharman Crawford St.

NOV 17 — **CIT Cork School of Music Open Day**
→17th November 2012, Union Quay, Cork

DEC 6 — **CIT Information Day for Guidance Counsellors**
→ 6th December 2012

FEB 1 — **CAO Closing Date**
→ 1st February 2013

APR 18/20 — **CIT Cork School of Music**
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)
→ 18th/20th April 2013 (Provisional)

APR 20 — **CIT Cork School of Music**
BMus Honours Degree Entrance Exam
→ 20th April 2013 (Provisional) (CR 121)

APR 25 — **Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition**
→ 25th April 2013

MAY 1 — **CAO Late Applications**
→ 1st May 2013

JUL 1 — **CAO Change of Mind**
→ 1st July 2013

AUG 20 — **CIT Mathematics Exam**
→ 20th August 2013 (Provisional)

SEP 9 — **Registration of First Year Students at CIT**
→ Week commencing 9th September 2013

SEP 16 — **Start of Semester 1 at CIT 2013 – 2014**
→ 16th September 2013

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 Chris Scanlon*
Ms Niamh Hayes*
Ms Ann Piggott
Ms Valerie Gleeson
Ms Mary Keane
Mr Billy O'Neill
Mr Jim Woulfe
Mr Mark Whitaker
*until September 2012

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STUDENT LIFE

CORK INSTITUTE OF TECHNOLOGY

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Accommodation
Careers & Counselling
Health Services
Copy Centre
Chaplaincy/Student Support Team
Students' Union
The Arts
Alumni Association
Sports & Leisure
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, Computing, 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, Ceramics, 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

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 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
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 current registered students of 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 operates on a 'drop in' and 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 Thursday from 8.30am - 4.30pm and on Friday from 8.30am - 3.30pm.

During term, it is staffed by eight 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 this time.

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. An `Open Door' policy exists to enable both students and staff to feel welcome and to seek support, especially in times of bereavement, illness and anxiety.

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

- Invites both staff and students to meaningful Liturgical celebrations, retreats and related opportunities for spiritual growth and expression;
- 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;
- Facilitates the development of an Inter-Cultural programme of events within CIT;
- Offers opportunity for voluntary service.

They 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 available from 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.

See ***www.citsu.ie*** for more information.

THE ARTS

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.





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 2011/2012, there were over 45 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.



(L – R) Dr Brendan Murphy, President, CIT, and Dr Dan Collins, Academic Administration & Student Affairs Manager with the first group of volunteers, Dominic Spillane, Jade Terr, Eoin Keane, Michelle Mullins, Derek Hillard, Emer Kelly, and Sarah Ryan at the launch of the CIT volunteer programme.

Societies Website
Check out www.citsocieties.ie for the most up to date information on Societies in CIT or find us 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 2 years, 30 students were presented with Scholarships & Bursaries to help fund their contribution to voluntary participation abroad.

Contact
Societies Office
T: 021 433 5759



Award winner Michelle O'Sullivan and Adventurer Pat Falvey at the CIT Student Societies and Activities Awards. The event highlights societies, and individual members, within CIT, who have made an outstanding contribution to extra-curricular life on campus.

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

SPORTS



Aidan Walsh, Cork Senior Footballer, Recreation & Leisure Management Course

Sports Office
The Sports Office facilitates students and their club and is responsible for the management and upkeep of all 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 and Acting Sports Officer
- Sports Administrator
- 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 early 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 Council of University Sports Association of Ireland (CUSAI). The 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 Minor Hurlers and Footballers, Cork Ladies Footballers, and is now the training base of the Cork Senior Hurlers.

In May 2011, CIT signed a 4-year agreement with Munster Rugby which sees the Cork based members of the professional Munster Squad and Academy headquartered at one of CIT's Gyms on its Bishopstown Campus. The Munster Rugby Squad members and Coaching Staff are based at the Gym which includes a 625m^2 gym area along with video analysis rooms, squad meeting rooms, physio treatment rooms, dressing rooms, offices, and a recreation area. Squad sessions are held on a dedicated training pitch as well as the use of CIT's other sporting facilities such as the athletics track.

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. 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 1080-seat stand and indoor 60m running/warm-up area
- A fully equipped strength and conditioning gym which is being used by Munster Rugby and some of the CIT clubs
- 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 there is Leisure World Bishopstown which holds two swimming pools and a Gym.







Eoin Murphy, Bachelor of Business (Honours) Course.



SPORTS BURSARIES AND SCHOLARSHIPS

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

For the 2011/2012 academic year, 105 Sport Bursaries were presented by Guest Speaker, Republic of Ireland Senior Ladies Soccer Manager, Sue Ronan to CIT athletes from 18 different sports. These Bursaries 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 Bursaries 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.

SPORT BURSARIES AWARDED IN THE ACADEMIC YEAR 2011/2012

- 77 CIT Sports Bursaries (32 Freshers/Development and 45 Senior Bursaries) for Athletics, Boxing, Basketball, Camogie, Cycling, Dual GAA, Football, Golf, Hockey, Hurling, Motocross, Racquetball, Rowing, Sailing, Soccer, Table Tennis, Tae Kwon Do, and Tennis;
- 12 CIT/Munster Rugby Bursaries;
- 11 Munster Council GAA Scholarships;
- 2 Cork City Soccer Bursaries;
- 1 Cadburys GAA Bursary;
- 1 EMC^2 GAA Bursary;
- 1 Jonathan Herlihy Foundation Soccer Bursary.



At the Sport Bursary Award Ceremony 2011: James O'Driscoll (Athletics Recipient); Guest Speaker, Republic of Ireland Senior Ladies Soccer Manager, Sue Ronan; Miriam Deasy, CIT Sports Officer; and John Collins (Athletics Recipient).

CIT Sports Bursaries are offered to students that have met the CIT admission requirements through the CAO system and are enrolled on a programme of academic study at CIT. Application forms are available after the 8th August. Please contact the Sports Office for details of closing date for receipt of applications by T: 021 433 5763 or E: miriam.deasy@cit.ie



Orla Barry, Cork Women's F.C., Bachelor of Business in Tourism Course.

CIT SPORTING SUCCESS

In the 2011/2012 academic year, the Institute had a number of achievements including:

ATHLETICS	→ Cross Country Team retained its U23 County Title → Irish Universities Mountain Running Championships: Men's Team: Second and Ladies' Team: Bronze Medallists → Munster Road Relays: Third → IUAA Indoors: 2 Silver Medals
BASKETBALL	→ All-Ireland Division 2 League and Intervarsities: Men's Team Winners → All-Ireland Division 2 Final: Ladies' Team Winners
BOXING	→ Intervarsities: Five Finalists with Three Winners
CAMOGIE	→ Purcell Shield Winners
FOOTBALL (MEN'S)	→ Intermediate All-Ireland Champions
GOLF	→ Irish Colleges Golf League: Third overall
HOCKEY	→ Mauritius Plate at the Intervarsities: Men's Team Winners → Mixed Intervarsities: Mixed Team Winners for the second consecutive year → CIT's Cliodhna Sargent lined out at centre-back for the Irish Senior Team at the Irish Women's Hockey Olympic qualifiers in Belgium finishing in Second place.
HURLING	→ Cork Senior Hurling Championship and Fitzgibbon Cup: Finalists
KARTING	→ CUSAI Intervarsity Championships 'A' Team: Third
KICKBOXING	→ Intervarsities: 2 Silver Medals
ORIENTEERING	→ Intervarsities: First and Third (Individual)
POWERLIFTING	→ IDFPA Single Lift Nationals: 4 Gold and 3 Bronze Medals → IDFPA National Deadlift Championships: 3 Silver and 2 Bronze → IDFPA Female Best Lifter Award: Winner → IDFPA National Powerlifting Championships: 5 Gold and 2 Silver Medals
ROWING	→ National Indoor Rowing Championships and the Intervarsities: Freshers' Men's Team Event: Winners Men's Senior Double: Winners Individual Men's Senior Schull: Second Female Senior Single: Third
RUGBY (LADIES')	→ All-Ireland Division 2 Final: Winners
SAILING	→ 2011 Student Yachting World Cup in France: Third
SOCCER (LADIES')	→ Won promotion to the Premier Division
SOCCER (MEN'S)	→ CFAI Umbro Plate 'A Team': Winners → CFAI B Cup 'B Team': Winners → The Munster Senior League Team received the Team of the Month for February
TABLE TENNIS	→ Intervarsities: Team Event: Silver Medal Singles: Silver and Bronze Medals
TAE KWON DO	→ Intervarsities: 4 Gold, 2 Silver and 3 Bronze Medals
TENNIS	→ Intervarsities: Men's Bowl Winners for the first time in the history of CIT
VOLLEYBALL	→ Intervarsities: Ladies' Plate Winners for the first time in the history of CIT
WEIGHTLIFTING	→ Intervarsities Individual 85kg: Second





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.

India



Front row: Dr Raghunath Shevgaonkar, Vice-Chancellor, UoP; Dr Brendan Murphy, President, CIT; signing the addendum to the 2008 MoU between CIT and University of Pune .
Back row: Minister Billy Kelleher and His Excellency P.S. Raghavan, Ambassador of India to Ireland.

China



Standing: Alan Dixon, Enterprise Ireland, Director – Asia Pacific; Professor Wu Song, Vice President Shanghai University; and Austin Gormley, Consul General of Ireland (China).
Seated: Dr Brendan Murphy, President, CIT; and Prof. Da Wei Wang, Dean, College of Fine Arts, Shanghai University and Chairman of Shanghai Designers Association.

Saudi Arabia



Frank Ryan, CEO, Enterprise Ireland; Michael Loftus, CIT, Dr Ali Nasser Al Ghafis, Governor, Saudi Arabia Technical Vocational Training Corporation; Minister Batt O'Keeffe; and John Twohig, CIT.

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).

"Erasmus has been one of the most terrifying, challenging, rewarding and enjoyable experiences of my life as a student." – Teresa Walsh, Business Studies student, who studied at the Blekinge Tekniska Hogskola, Sweden in 2010.



Entrepreneur and adventurer Pat Falvey presented the International Student Society with the award for CIT Society of the Year 2012.
Front row (L - R): Thomas Ernst, Jasvinder Singh, Bai Zhi Zhou, Akrash Nalawade, Lucia Caballero.
Back row (L - R): Pat Falvey, Zita Kiss, Dr Barry O'Connor, Registrar & Vice President for Academic Affairs, and Dr Dan Collins, Academic Administration & Student Affairs Manager.

Contact

EU Exchange Programmes
Margaret Mulderrig
International Affairs Officer
T: +353 21 4326689
E: margaret.mulderrig@cit.ie
F: +353 21 4335301
W: www.cit.ie/international

Non EU Exchange Programmes
Admissions Office
T: 100 353 21 433 5037
E: admissions@cit.ie

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, Computing, Business, Education, Humanities, Maritime, Art & Media, and Music.

Awards fall into the following categories:

- *Postgraduate Diploma (Taught)*
- *Masters (Taught)*
- *Masters (by Research)*
- *Doctorate (PhD)*

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 full-time 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.

CIT boasts state-of-the-art buildings and laboratories with world-class facilities that enable postgraduate students to reach their full potential. CIT research staff and leaders have attracted funding for activities from industry and enterprise and through a wide range of National and European research schemes. This means that in areas of CIT research interest and expertise, financial support in the form of payment of fees and student scholarships may be available to successful Masters and PhD programme applicants.

Contact

School of Graduate Studies
T: 021 433 5099

E: graduate.school@cit.ie
W: www.cit.ie/graduateschool

Please refer to Faculty/School/Departmental brochures for detailed information on the taught programmes available, and any special qualifying criteria. Postgraduate opportunities are advertised regularly in the local and national press and they are also posted on the School of Graduate Studies website.

RESEARCH COMMUNITY

Research is a core dimension of CIT activity in collaboration with a wide range of organisations including Higher Education Institutions, Industry, State and Voluntary Bodies. CIT researchers are amongst the most successful in the country and work with a wide range of international collaborators. 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:
Networked Embedded Systems which is based in the Faculty of Engineering and Science and housed in the new 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. NIMBUS is among the most heavily networked buildings in the country. (http://nimbus.cit.ie)

BioExplore is a team of interdisciplinary scientists from the Departments of Biological Sciences, Chemistry, Computing and Biomedical Engineering. They develop and implement platform technologies to underpin core research areas of diagnostics, bio-analysis, antimicrobial screening, bio-informatics, peptide engineering, biomedical engineering (rehabilitation and orthopaedics).

Photonics is 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)

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, and Computing, with increasing involvement of the Schools of Business and Humanities.

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)

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)
- National Centre for Membrane Technology
- Centre for Advanced Manufacturing and Management Systems (www.camms.ie).





STUDY AT CIT
THE BASICS

Choosing a Course
CAO Courses at CIT
The National Framework of Qualifications
Modularisation and Semesterisation
Course Structures
The Ladder of Progression
How to Apply
CAO POINTS System
Entry Requirements
CIT Mathematics Exam
Non-Standard Applicants
Access
FETAC Awards
Fees
Lifelong Learning

FIVE STEPS TO CHOOSING A THIRD LEVEL COURSE



STEP 1: You and Your Interests

What areas of occupation are you interested in? Do you have a flair for writing, music, sport or science? What are your leisure interests? Identify your own preferences and strengths - whatever they may be. Ask a professional such as your guidance counsellor for a test of occupational interests and preferences.

STEP 2: Subjects

If you are preparing for or have sat the Leaving Certificate, there will be particular subjects that you like; (these are often the subjects you perform best at). Your list of subjects will help you to select broad areas for third level. Talk to your subject teachers and your guidance counsellor. Be realistic when you weigh up your strengths, but don't underestimate yourself.

STEP 3: Get the Facts

There's a lot of reliable information available about careers and courses. You can get this from:

- handbooks, leaflets, career books and reliable websites such as www.qualifax.ie
- teachers
- guidance counsellors
- parents
- talking to people working in the career
- friends and relatives whose judgement you trust
- your own work experience or summer job
- open days at colleges

Don't be slow to enquire. People know this is important to you, and they will help if you ask.

STEP 4: Be Flexible

Be open minded and flexible. Look at broad careers, not narrow jobs. Many people change jobs several times during their working lives. Look at all the levels: Higher Certificates, Degrees, and Honours Degrees. Remember, CIT will assist you to progress along its "Ladder of Progression" from one level to the next.

STEP 5: Know the System

Most students enter third level through the CAO Points System. Talk to your parents, teachers and guidance counsellors and with their help try to estimate your CAO points level. Once again, be realistic, but don't underestimate yourself. Remember, the CAO is just a selection mechanism based on supply and demand. If you end up with "points to spare", that's okay; what's important is to choose a course that matches what you want.

THE POINTS SYSTEM

When you are considering points levels for courses, please be cautious. Points levels change from year to year due to supply and demand for places. The points levels for the coming academic year cannot be predicted, and past points levels are given as a general guide only. Most important of all, do not judge the quality of a course or its employment value from its points level.

HOW TO SUCCEED AT CIT

Full-time study at CIT requires a full-time commitment from you. The combination of academic and practical subjects in many of our courses can make for a very busy timetable - usually between 20 hours and 30 hours per week. This schedule means that excellent class attendance and regular study are vital.

In other words - consistent study and effort from day one are the secret of success!



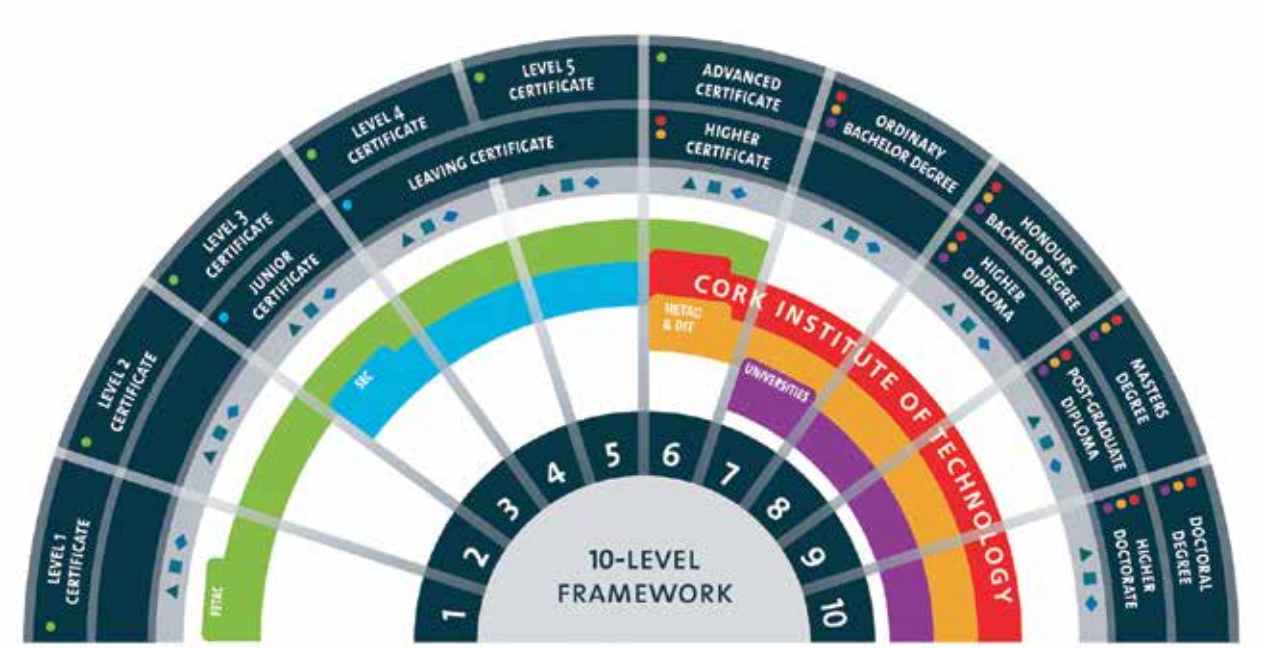
THE NATIONAL FRAMEWORK OF QUALIFICATIONS

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 (NQAI), 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)



MODULARISATION AND SEMESTERISATION

The Basics of Semesters and Modules

Semesters
Each year of a full-time course is divided into two equal parts called semesters. Each semester is of 15 weeks duration, including the assessments. Semester I typically begins in September and ends in January while Semester II begins in February and ends in May.

Modules
A module is a stand-alone unit of learning and assessment and is completed within one semester. A full-time student will normally study 6 modules in each semester.

Credits
Credits are awarded to learners who successfully complete the assessments in a module. Each semester is worth 30 credits and a full-time year of study is worth 60 credits. This is in line with an international system called the European Credit Transfer System (ECTS).

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.

Full details of every programme and module, including outcomes, content and assessment, can be found online at: http://modules.cit.ie

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"enables you to progress through the system to qualifications appropriate to your personal requirements.

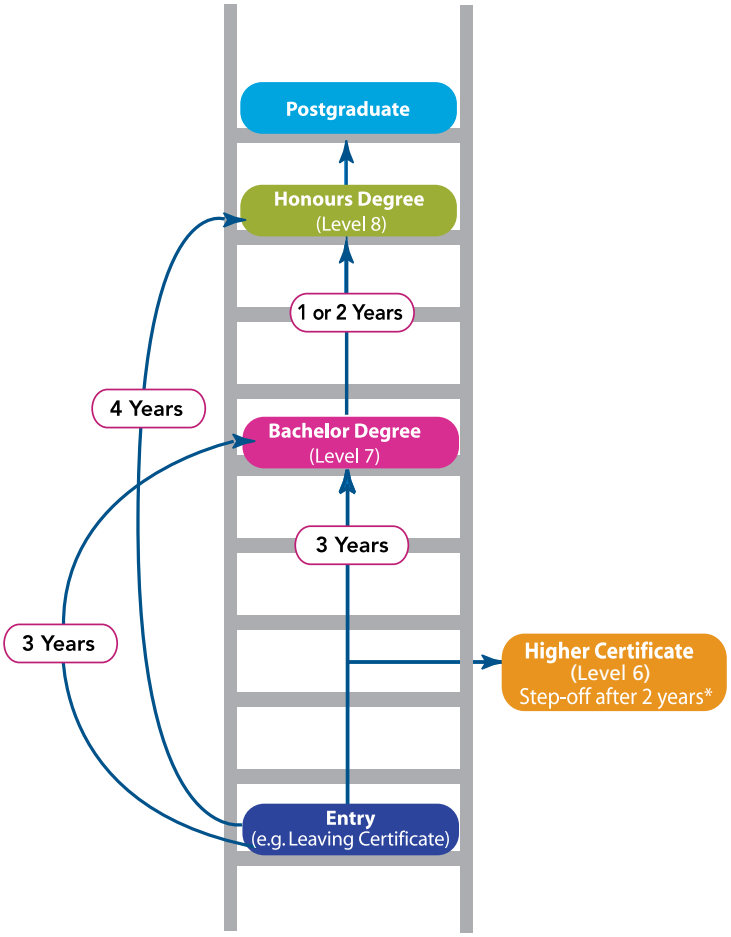
Options at Entry
There are two main entry streams for full-time students.

CIT offers many **four year Honours Degrees**. Students commit to the full four year programme from the start. These courses are shown in the CAO Level 8 list.

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 over fifty Honours Degree courses on offer 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.

HOW TO APPLY

In this section you will find some basic information on how to apply for the full-time course of your choice. For reference purposes, there is much more detail in the Yellow Pages at the back of this Handbook.

- For all first year undergraduate full-time courses in CIT, you should apply through the Central Applications Office (CAO). Follow the procedures as laid down in the CAO Handbook 2013.
- For other courses see the 'Direct Entry Courses' in the Yellow Pages at the back of this Handbook.

THE CAO POINTS SYSTEM

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 Non-Standard Applicants. Standard applicants for first year courses will be awarded points by applying the points scale in the table 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

Bonus points for Higher Level Mathematics:
Commencing in 2012 for four years a bonus of 25 points will be added to the score for Mathematics grades at D3 or better in Higher Level Mathematics.



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. For more information see the Yellow Pages at the back of this Handbook.

EXCEPTIONS

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

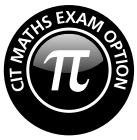
- Some BEng (Honours) Degree courses – CR 105, CR 108, CR 109, CR 500, and CR 520
- BMus (Honours)* CR 121
- BA (Honours) in Popular Music* CR 125, CR 126, CR 127, CR 128, and CR 129
- BA (Honours) in Theatre & Drama Studies* CR 700
- BA (Honours) in Applied Art (Ceramics)* CR 210
- BA (Honours) in Fine Art* CR 220
- BA (Honours) in Visual Communications* CR 600
- BSc (Honours) in Architecture CK 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 EXAM

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 offer a second chance to reach the required entry standard through a CIT Mathematics Exam. 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 CIT Mathematics Examination, students MUST APPLY ONLINE (http://www.cit.ie/maths) by 5.00pm on Friday, 16th August 2013.

The CIT Mathematics Examination is provisionally scheduled to take place on Tuesday, 20th August 2013 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.

Full details of the arrangements for the CIT Mathematics Examination will be posted on the CIT website at http://www.cit.ie/maths.

NON-STANDARD APPLICANTS

Special Category (Non-Standard) Applicants
CIT welcomes applications from Special Category Applicants. These are applicants who may be assessed on a basis different from the CAO Points System. There are six categories, 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. For more information, see the Yellow Pages at the back of this Handbook.

ACCESS

CIT is committed to ensuring that education is a basic right, not a privilege. Our Access Service believes that equal access, equal opportunities and equal treatment are key principles to support access to higher education.

The CIT Access Service is aimed at four main target groups;

- People who are socio-economically disadvantaged
- Mature Students
- Students with Disabilities
- Ethnic Minorities

The Access Service organises supports such as information sessions, school visits, parents' information sessions, student shadowing, induction programmes, the Mature Student Support Network and financial assistance.

See Yellow Pages at the end of this Handbook.

Contact
Deirdre Creedon
Access Officer
T: 021 433 5140
E: deirdre.creedon@cit.ie

FETAC AWARDS: ADMISSION TO CIT

How FETAC Awards are graded in the CAO
FETAC operates within the National Framework of Qualifications, 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 Framework of Qualifications should apply through the CAO system. An overall CAO point score is calculated based on results in the best 8 modules presented and this score is used to place applicants in the same rounds of CAO offers as Leaving Certificate applicants. FETAC applicants must present a full award containing 8 modules. This full award may be accumulated over more than one academic year. For more details, please see the Yellow Pages at the back of this Handbook.

CORK COLLEGES PROGRESSION SCHEME

In addition to the general FETAC entry arrangements, CIT has a scheme for the admission of students who successfully complete courses in Further Education Colleges in Cork called the Cork Colleges Progression Scheme. Under the CCPS 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 web link http://www.cit.ie/prospectivestudents/ccps/. Please refer to the Yellow Pages of this Handbook.

FEES

Tuition 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.

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 2012/2013 is €2,250)

GRANT APPLICATIONS

All new applications are made online to a single awarding authority, Student Universal Support Ireland (SUSI) through 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.

LIFELONG LEARNING & PART-TIME STUDY

If you are a mature student who is interested in studying at third level, CIT has a lot to offer you. There are opportunities in all the courses described in this Full-Time Handbook, plus hundreds more courses offered on a part-time or evening basis, which are described in the CIT Continuing Education Handbook 2012-2013, or on the CIT website www.cit.ie.

No Points Race for Mature Students
As a mature applicant (over 23) you can apply through the Central Applications Office (CAO) for a full-time course. The CAO points system will not be a barrier– you are treated as a "non-standard applicant" and you will be considered by CIT on the basis of your experience and suitability for the course. In order to be assessed as a Mature Student, applications must be made by the 1st February. Contact the Mature Student Officer at the Institute for advice, guidance and up-to-date information.

Contact
Sínead O'Neill
Mature Student Project Officer
T: 021 433 5109
E: maturestudents@cit.ie

Recognition of Prior Learning (RPL)
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. For more details, please see the Yellow Pages at the back of this Handbook and the website http://www.cit.ie/rpl.

Evening and Part-time Study
CIT operates one of the largest programmes of part-time study in Ireland. The Institute offers alternative routes to success through education, for example, for those who entered employment on completing their second-level education. Many courses leading to professional qualifications are also provided as well as short courses for industry. CIT provides approximately 160 courses leading to Higher Certificate, Bachelor Degree, Honours Bachelor Degree, Postgraduate, Professional and Trades qualifications. The ACCS scheme operates for many of these courses. This means that you can accumulate credits and modules and build at your own pace towards a recognised Degree.

Details of these courses are in CIT's Continuing Education Handbook 2012-2013, or on the CIT's website www.cit.ie.





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
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 Integrative Psychotherapy (Taught)
MBus (by Research)
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 Accountancy Professional Bodies.

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
or
Ruth Vance
Department of Accounting and Information Systems
T: 021 433 5512
E: 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

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
Sylvia Dempsey
Department of Accounting and Information Systems
T: 021 433 5134
E: sylvia.dempsey@cit.ie
or
Colm Barry-Murphy
Department of Accounting and Information Systems
T: 021 433 5897
E: 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

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 2011: **Round 1:** 315 / **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, and 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



www.cit.ie/course/CR420



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

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

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.



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 2011: **Round 1:** 270 / **Final:** 270

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, and 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



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"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



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

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 HDip is also required.

Suitably qualified graduades may progress to postgraduate studies.

Contact Information
Brian McGrath
Department of Management & Marketing
T: 021 433 5923
E: 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.

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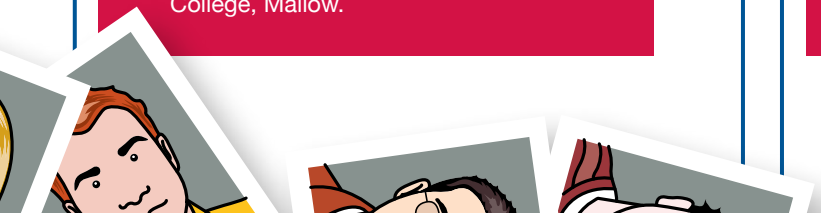


John Healy
Lecturer

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."

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 2011: **Round 1:** 355 / **Final:** 355

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



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"The best thing I find 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



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 course offers an advanced specialist education in accounting as a firm base for either further academic study or for pursuing a professional qualification with one of the professional 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

Upon successful completion of the Honours Degree, graduates gain exemptions from the professional accountancy bodies. Having successfully completed the professional accountancy exams, graduates 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. The aim of this programme is to provide graduates with the opportunity to complete all Professional Level subjects from the ACCA qualification. This will enable them to find roles in either practice or industry and complete the work experience necessary to qualify as an ACCA. 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 to combine work and study.

Suitably qualified graduates are eligible to apply for post-graduate 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^2, 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
Department of Accounting and Information Systems
T: 021 433 5897
E: colm.barrymurphy@cit.ie

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 18 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 assume no prior knowledge of content in Year 1.

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.

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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 ACCA exams in 2013.

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."



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 2011: **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
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.

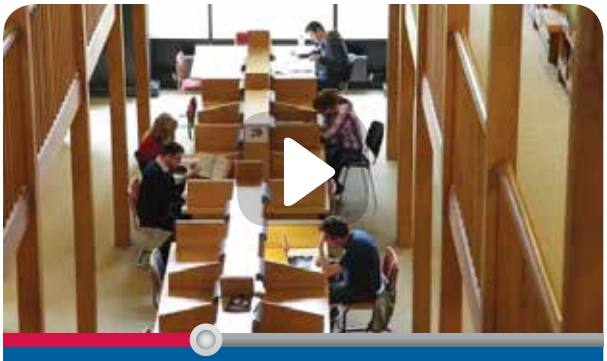
Potential Areas of Employment

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



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"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



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

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, EMC², 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

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 assume no prior knowledge of content in Year 1.

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), Chartered Institute of Management Accountants (www.cimaglobal.com), Association of Chartered Certified Accountants (www.accaglobal.com), and Certified Public Accountants (www.cpaireland.ie). Please see Page 18 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.





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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."

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 2011: **Round 1:** 315 / **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; accounting 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.

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"My work placement was in the Product Support Engineering Lab in EMC² 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

Helpful Leaving Certificate Subjects

Accounting, Economics, Mathematics, and Business.

Work Placement

There is a mandatory work placement of a minimum of 15 weeks in Year 3.



www.cit.ie/course/CR150

Potential Areas of Employment

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



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 a systems related function 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

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.

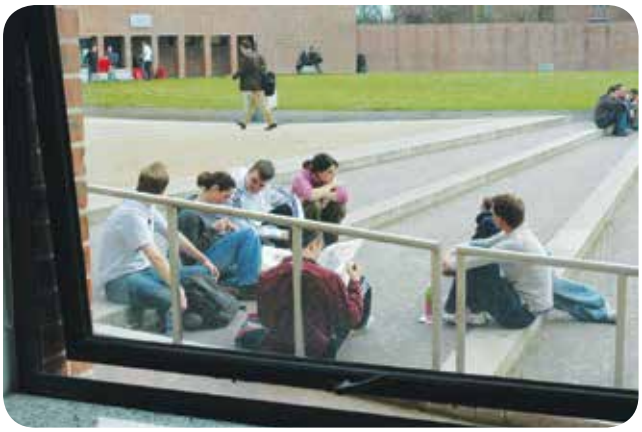
Contact Information
Martin Connolly
Department of Accounting and Information Systems
T: 021 433 5807
E: martin.connolly@cit.ie

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?
The course is designed in Year 1 to commence subjects at an introductory level.

What kind of Programming is involved?
Programming is an important skill to have in the area of Business Information Systems. Visual Basic, Java, and SQL 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."



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 2011: **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 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, Accounting, English, Mathematics, and Languages.

Work Placement

There is mandatory work placement of four months 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



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 four month 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

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

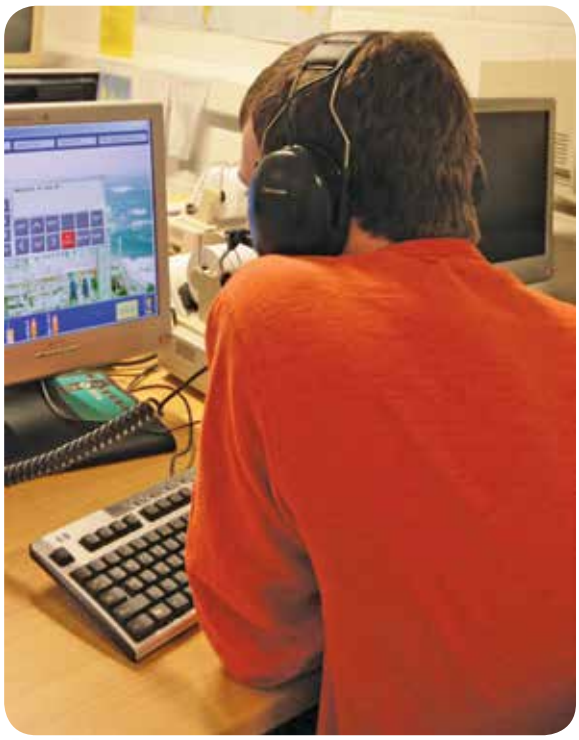
Career Opportunities
Business Administration graduates undertake a wide range of administrative duties and may obtain employment in areas such as administration, marketing, IT, financial and shared services, banking, insurance, media, customer service, health service, local authorities, and fund services.

Contact Information
Finbarr Sheehan
Department of Accounting and Information Systems
T: 021 433 5129
E: finbarr.sheehan@cit.ie

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."

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 2011: **Round 1:** 320 / **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)

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



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**

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.



www.cit.ie/course/CR010

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



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 four days in CIT and one day in Clonakilty.

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

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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John Kelly
Teagasc Clonakilty Agricultural College
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E: john.kelly@teagasc.ie

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 or agriculture 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.



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 2011: **Round 1:** 225 / **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 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.

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

Helpful Leaving Certificate Subjects

English, Mathematics, and Biology.



www.cit.ie/course/CR011

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



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 four days in CIT and one day in Clonakilty.

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 academic staff at Teagasc Clonakilty Agricultural College or CIT.

Further Studies
For details, see 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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Majella Moloney
Teagasc Clonakilty Agricultural College
T: 023 883 2511
E: 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.

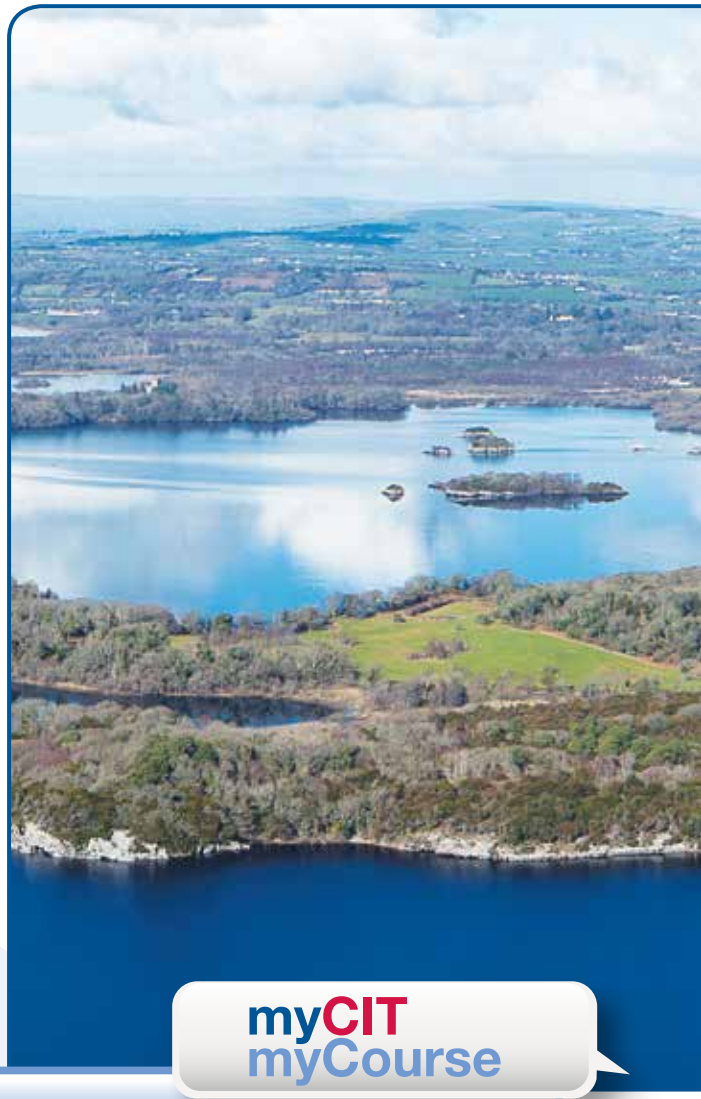

Teagasc Clonakilty Agricultural College



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 2011: **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, adventure or business. Tourism involves the management and operation of a wide range of businesses which include airlines, hospitality providers, cruise and ferry operations, tour operations, visitor and heritage attractions, travel agencies and tourism development organisations.

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

- Tourism Development
- Air and Cruise Operations and Management
- Tourist and Heritage Guide and Information
- Tourism Marketing

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



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 course prepares students for management and supervisory positions in all sectors of tourism and service businesses. Learning is based around class delivered lectures, field trips, practical lab classes, group and individual project work, and guest speakers from the field of tourism.

The course blends a wide range of specific tourism subjects, with applied business subjects to equip students with the necessary skills to contribute effectively in the wider world of the travel and tourism related businesses.

Further Studies
For details, see 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
Students who graduate with tourism qualifications have opportunities for building careers in the travel, transport, holiday, and vacation and leisure occupations. Previous graduates have developed careers in areas as diverse as regional tourism planning and development, tourism marketing, international airline administration, self-employed in tourism enterprises, sales, marketing, and development at visitor and heritage attractions. Many have had the opportunity to travel and work in interesting tourism business overseas.

Graduates can expect to progress to management, marketing and entrepreneurial careers in tourism and tourism related businesses.

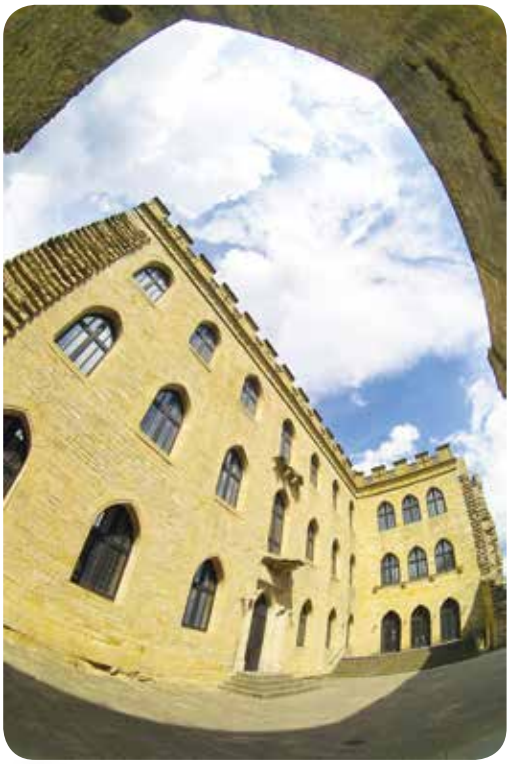
Contact Information
Kathleen Griffin
Department of Tourism & Hospitality Studies
T: 021 433 5829
E: kathleen.griffin@cit.ie

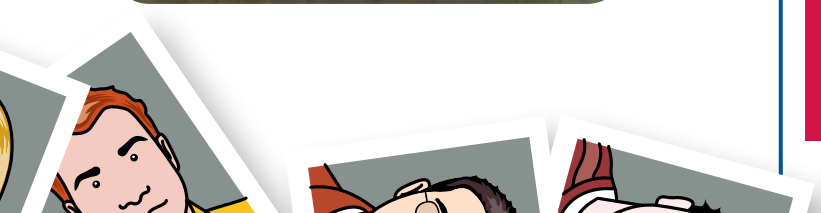
Question Time
Is it essential to have studied a language before the course?
Having a European language is very useful, but it is not essential to have studied one before as languages (except French) are generally taught from the introductory stage. It should be noted that study of a language is mandatory for Year 1 of the course.

Are there opportunities to work outside Tourism?
The programme combines both knowledge of the world of tourism with the skills required for business management, and a particular focus on service skills which facilitates the student in a wide range of occupations.

What level of marketing is incorporated into the course?
There are a number of themes that consistently run throughout the course which include, marketing and services marketing, people management, finance and accounting, and business management.

Are there travel opportunities?
Yes, the calibre of the Honours Degree allows graduates to obtain employment overseas.





myCIT
myCareer



Helen O'Dwyer
Sales & Customer Services

"I have worked with Fáilte Ireland in tourist information offices where my role involved building relationships with local tourism providers and the promotion of the Irish tourism product to visitors. I currently work at the Jameson Experience Visitor Centre in Cork where my role involves being an ambassador for the Jameson Brand, sales and customer service.

I enjoyed and would recommend Tourism at CIT as it has given me a broad understanding of the tourism industry and I have developed a strong business acumen from the variety of modules covered in the course.

The course was beneficial in preparing me for management positions in a diverse range of tourism businesses."

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 2011: **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 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, reservation 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

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

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



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



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 Tourism course at CIT is offered within the modern Tourism and Hospitality building, one of the finest in the country. Our courses have a strong emphasis on marketing and languages to equip students with these essential elements of Tourism Studies. The course combines subjects relevant to the Tourism Sector with a range of business subjects to give students the best possible preparation for entry into the workplace. Visiting lecturers, formal class based lectures; field trips, and project work with businesses in the Tourism Sector are all essential learning tools of this course

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

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 other third level institutions.

Career Opportunities
Graduates are fully equipped with the skills and understanding of the operational and management aspects required in running a tourism business. These include the planning, promotion and development of tourism business projects, along with the development, promotion and conservation of the natural and manmade heritage.

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





Contact Information
Department of Tourism & Hospitality
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E: hospitality@cit.ie

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.

Does the course offer opportunities to work outside Tourism?
The tourism sector is very broad and there are also opportunities in businesses which are connected to the sector. Past graduates have found employment in many areas in the service sector such as financial services, retail, business development, along with setting up their own 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?
Tourism, by its nature, deals with aspects of travel. The promotional requirements of many tourism businesses involve travel to the countries from which tourists originate. Equally, many businesses in the travel sector offer this opportunity. Many students have worked in tourism companies overseas as part of their personal development.
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myCIT myCareer



Shirley Kingston
Project Coordinator

Shirley worked with Fáilte Ireland in Milan through the Leonardo Programme; as Tourism Development Officer in North Cork, and with Fáilte Ireland on tourism training projects.

Her current role involves the business development of the smaller tourism enterprise through the Tourism Learning Networks initiative by Fáilte Ireland. The job involves coordinating and identifying development needs and skills, organising training programmes and seminars, and promoting training and development initiatives within the tourism sector.

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 2011: **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

Hospitality Management is the skill of managing all aspects of Hotels, Restaurants, Licenced Premises, and catering establishments. Hospitality managers may operate as general managers of the business, or may also develop specialist knowledge in areas such as Food and Beverage, Rooms Division or Human Resources and Marketing. Providing professional hospitality involves both the social skills of a warm welcoming customer-friendly manner and the technical skills of food preparation, guest accommodation & reception, wine and beverage service together with a deep understanding of management and business organisation.

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 Banqueting Management
- Human Resources and Training
- Own Hotel, Restaurant or Bar
- 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



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 course emphasises a creative, inventive, organised and entrepreneurial approach to a career in the hospitality industry. There is a strong focus on student centred learning and teaching methods include formal lectures, tutorials, and practical operations classes which equip the student with the core skills necessary for a career in the hospitality sector. Many classes combine both individual and team project work and they are supported by a range of visiting speakers, industry visits, and field trips.

An important feature of the course is the practical content and the work experience gained throughout the course, which fully prepare the graduate for a most rewarding career. Between Year 1 and Year 2, there is an organised work placement (minimum of 12 weeks) in a quality hospitality establishment in Ireland, and increasingly with the option of an international placement. The placement will be matched to the student's area of interest and skill level. The work placement is a formal component of the programme and is awarded academic marks and credits.

Additionally, in Year 3, there is an organised 6 month management internship in a hospitality premises where the student undertakes their first experience in management. There are some opportunities to complete the internship overseas.

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

Further Studies
For details, see 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 at other third level institutes and colleges.

Career Opportunities
Graduates will specialise in areas of the hospitality business such as food & beverage management, conference & banqueting management or rooms division management. Others may become involved in sales & marketing, human resources management, training and development, or financial control. Others will aspire to senior general management positions or become involved in entrepreneurial activities and starting their own businesses.

Contact Information
Séamus Forde
Department of Tourism & Hospitality Studies
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E: seamus.forde@cit.ie



Question Time
What are the facilities like for this course in CIT?
The facilities at the Department of Tourism and Hospitality are of the highest European standard. The Department operates to the highest level of industry recognised Hygiene and Environment management requirements.

What are the duties of a Hotel Manager?
Hotel Managers combine the role of the business host, with the technical skills of provision of high quality restaurant and accommodation standards, and equally the skills of successful business management.

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 liner operations, or start their own business within the sector. Equally there are wide arrays of sector specific support businesses for which Hotel Management skills provide the ideal background; these can include food and drink suppliers, equipment suppliers, training specialists, web based reservations companies and many others.

When I qualify, will I be able to work as an Event Manager?
Event management is to a large extent a food and beverage management activity with a number of other skills, many of which are provided as modules on the course.

myCIT myCareer



Dan Murphy
Hotel General Manager

After graduating from CIT, Dan was based at the Hilton Hotel in Chicago for five years where he went from Barman to Bar Supervisor to Banqueting and Conference Manager.

He is General Manager in the Galway Bay Hotel. Dan praises the industry placement system on the course, which sent him to two prestige hotels in Ireland for several months at a time - Adare Manor and Ashford Castle.

Dan was awarded the Irish Hospitality Institute Award of Hotel Manager of the Year.

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 2011: **Round 1:** 300 / **Final:** 275

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?

Culinary arts may be defined as the study of food and wine and its impact on our society and way of life. The culinary arts contribute significantly to the worldwide hospitality and tourism industries. Practitioners of the culinary arts include restauranteurs, chefs, food critics, gourmets and educationalists.

Helpful Leaving Certificate Subjects

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

Work Placement

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

Potential Areas of Employment

- Restaurants and Hotels
- Pastry and Confectionary
- Training and Education
- Food Marketing/Product Development
- Executive Chef
- 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 of the course has met all my expectations. I'm currently on paid work placement in a fabulous hotel in Co. Cork which is going brilliantly at the moment."
Sarah Beavon



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
A key aim is a well-educated graduate with the ability to learn and change to meet new challenges in their education and professional development. There is a strong focus on student centred learning. Teaching methods include formal lectures, tutorials and both individual and team project work.

The work placement takes places in a quality hospitality establishment in Ireland and is supported by a CIT staff member together with a workplace mentor. The aim of the placement is to introduce the student to structured employment in a relevant work sector and to develop an understanding of the organisation and its procedures.

Further Studies
For details, see 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 at other third level institutes and colleges.

Career Opportunities
Graduates work in many areas of the food sector, ranging from Senior Chefs in 5 star hotels, gourmet restaurants, and stylish bistros and cafés, as well as in catering and events companies, food product companies, and many graduates have established their own businesses. The Culinary Arts Degree provides a wide array of opportunities to work in other countries in culinary and food related occupations.

Contact Information
Catherine O'Mahony
Department of Tourism & Hospitality Studies
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E: catherine.omahony@cit.ie

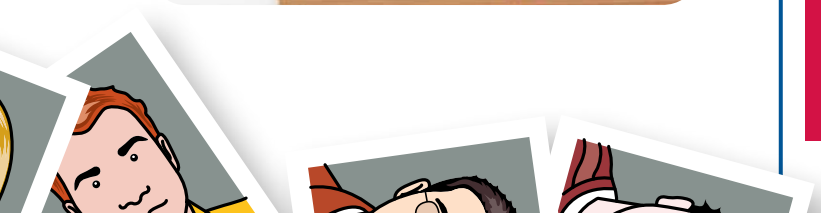
Question Time
What is the difference between Culinary Arts and Culinary Studies?
Culinary Arts provides a broad range of learning which mixes skills of business management with the skills of culinary activity. In some occupations such as work based catering, this mix of skills provides an ideal combination for the successful operation of the business.

Culinary Studies is the course designed for students who want to be chefs, and it focuses on the key skills required by chefs at all kitchen types whether the larger upmarket hotel kitchen or the smaller specialist restaurant operation.

What are the facilities like for this course in CIT?
The facilities at the Department of Tourism and Hospitality are of the highest European standard. The Department operates to the highest level of industry recognised Hygiene and Environment management requirements.

Is it possible to open your own restaurant with this qualification?
Quite a number of graduates have opened or are in partnership in their own food service business or in producing a food product for retail sale.





myCIT
myCareer



Aoife Cameron
Assistant Wine Buyer

Aoife studied the BBus in Culinary Arts which she described as a very versatile programme which covered a wide range of subjects. She subsequently continued her studies and graduated with a BBus (Honours) in Hospitality Management.

She has appeared as one of the students profiled on the RTE TV programme "The Masters Apprentice". Aoife has worked in the renowned L'Ecrivain Restaurant in Dublin where she developed a keen interest in wines which she hopes will complement her career options in the future.

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 2011: **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 Bar Management?

A Bar Manager oversees all operations at the bar including staffing, employee schedules, event planning, and staff functions and responsibilities. Being a Bar Manager is more of a way of life than a job. That's not to say it's easy, because it is not. You will probably be on your feet from dawn to dusk, but it'll be rewarding, sociable and challenging.

Your main duties are to make sure your customers are happy, that there is plenty of stock behind the bar and that your staff is trained on how to provide an excellent service.

Helpful Leaving Certificate Subjects

English, Mathematics, and Business subject(s).

Work Placement

There is mandatory work placement of a minimum of 12 weeks at the end of Year 1.

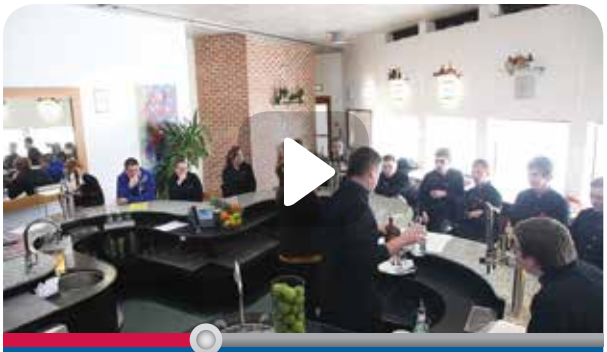
Potential Areas of Employment

- Bar Management
- Bar Training and Education
- Wine Retailing
- Stock and Financial Control
- Entrepreneurship/Bar Business Ownership
- Club Management



myCIT myCourse

"You gain the skills and knowledge necessary to work in the industry from safety procedures to the laws required to run a bar. If you intend to undertake a career in the hospitality sector I'd strongly recommend this course."
Martin Daly



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
This innovative three-year course emphasises a creative, organised and entrepreneurial approach to Bar Management. The course develops students' knowledge of the concepts and the processes that are essential to sound managerial practice as well as imparting the operational skills of drinks service and stylish food preparation and service. Professional Bar Management is part of the worldwide growth in the tourism and hospitality industry and offers extensive opportunities for employment and enterprise creation.

The work placement is from mid-May to the end of August, where the student has the opportunity to apply the knowledge, insight and skills gained to the practices of the workplace under the guidance of an experienced industry professional.

A Bar Manager's key responsibilities are the efficient management of a licenced premises; marketing; recruiting, training, and motivating staff; stock control; overseeing or liaising with the kitchen; quality control; health & safety; financial management; being informed with licensing legislation, liaising with the authorities, and taking overall legal responsibility for the premises.

Further Studies
For details, see 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 at other third level institutes and colleges.

Career Opportunities
Graduates can work in Ireland or abroad. This Bachelor 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 the related food and entertainment industries. Some students have taken the opportunity to work at various levels of the licenced trade both in Europe or further afield.

Contact Information
Tom Kelly
Department of Tourism & Hospitality Studies
T: 021 433 5824
E: tom.kelly@cit.ie

Question Time
What are the facilities like for this course in CIT?
The facilities at the Department of Tourism and Hospitality are of the highest European standard. The Department operates to the highest level of industry recognised Hygiene and Environment management requirements.

What level of Business is incorporated into the course?
The course blends the skills of Business Management roughly 50/50 with the skills and knowledge of Bar Management. Business skills complement your career options and future prospects.

Should I have experience in bar work before applying for the course?
Some experience in the licenced trade is an ideal preparation for undertaking a career in Bar Management – but it is not a requirement.

myCIT myCareer



Roisín O'Sullivan
General Manager

"When I look back I can't believe how I fitted into college life almost immediately and loved my time there, not only the course, which was brilliant, but the total range of activities that go to make up college life. During my time on the Bar Management Degree, I participated in the TV show '' The Masters Apprentice" on RTE, which was a wonderful experience. After graduation, my career progressed very quickly, I was only 21 when I got my first management role and I found that I had all of the practical training and all the business skills necessary to take on the running and management of a modern licenced premises. I am the General Manager of Chambers Bar in Cork which is owned by a company who run several of the most progressive bars and venues in the city. I am also a Brand Ambassador for the Heineken Star Serve, which involves training bar staff in the management of beers and understanding the stringent quality issues that make for good lagers."



Culinary Studies

CR 655 Level 6 Award

>> Progression to Degrees and Honours Degree

Application: CAO
Award Title: Higher Certificate in Arts in Culinary Studies
Duration: 2 Years (4 Semesters)
Places: 48
CAO Points in 2011: **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 designed to meet the requirements of students who wish to pursue careers as Professional Chefs. It provides the perfect learning for a career in the wide world of cookery and food preparation.

Helpful Leaving Certificate Subjects

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

Work Placement

There is mandatory work placement of a minimum of 12 weeks at the end of Year 1.



myCIT myCourse

"The kitchens are amazing with everything we need and cooking in the Training Restaurant for real customers is a great learning experience and gives us a glimpse of what a real restaurant service is like. I can't wait to put it into practice during my work placement."
Katie McLoughlin



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* resort properties through to smaller Family Run Hotels
- Gourmet Restaurants, Local Specialist Restaurants, Bistros, and Stylish Cafés
- Catering Companies
- Pubs and Gastro Pubs

About the Course
The course is mainly practical and is supported by theory subjects relating to the world of cookery. Approximately 70% of the classes will be spent in practical classes and kitchens covering subjects such as cookery techniques, classical and traditional cookery, as well as specialist cookery from the Mediterranean, the Orient, other interesting world foods, pastry and confectionery larder and cold buffet.

The course is supported by lectures from well-known and specialist chefs and artisan food producers, as well as large food companies. Students will have the opportunity to visit restaurants and food providers during the course.

Formal work experience is provided over the summer period at the end of Year 1. All students will have a formal, paid work placement of a minimum of 12 weeks, in a good quality hotel or restaurant kitchen, which will be matched to the student's area of interest and skill level, where they will work under the guidance of an expert chef. The work placement is a formal component of the programme and is awarded academic marks and credits.

Further Studies
For details, see www.cit.ie

Suitable 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

Career Opportunities
Students will graduate as professional chefs ready to embark on exciting opportunities to develop their skills further whether at home or abroad. Graduates hold exciting positions as Head Chefs and Executive Chefs in a wide variety of hotels and restaurants and other large scale food operations.

There are other opportunities such as Artisan food production, food product development, work place dining, health care, and food styling and critique. Many successful chefs open their own businesses be that an up-market restaurant or trendy bistro, a modern coffee shop or welcoming cafe or catering for parties and events.

Contact Information
Departmental Secretary
Department of Tourism & Hospitality Studies
T: 021 433 5823
E: hospitality@cit.ie

Question Time
What is the difference between Culinary Arts and Culinary Studies?
Culinary Studies is the course designed for students who want to become a professional chef, and it focuses on the key skills required by chefs at all kitchen types whether the larger upmarket hotel kitchen or the smaller specialist restaurant operation.

Culinary Arts provides a broad range of learning which mixes skills of business management with the skills of culinary activity. In some occupations such as work based catering, this mix of skills provides an ideal combination for the successful operation of the business.

What are the facilities like for this course in CIT?
The facilities at the Department of Tourism and Hospitality are of the highest European standard. The Department operates to the highest level of industry recognised Hygiene and Environment management requirements.

If I want to become a chef is CR 655 the best study route to take?
The Higher Certificate in Culinary Studies is the ideal course of study for becoming a professional Chef, the course has a high concentration on the necessary practical skills, provided in some of the best practical kitchen facilities available.

All students are advised to consider pursuing additional and more advanced qualifications, either on graduation from the current course or by pursuing one of the programmes specifically designed for working chefs to attend part-time.





Hospitality Studies

CR 657 Level 6 Award

>> Progression to Degrees and Honours Degree



Application: CAO
Award Title: Higher Certificate in Arts in Hospitality Studies
Duration: 2 Years (4 Semesters)
Places: 25
CAO Points in 2011: Any Qualified Applicants

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 skills areas in the hospitality sector, students get an opportunity to study and practice restaurant service skills, bar service operations, front office and reception, rooms division and accommodation, event organisation, introduction to cookery and the wide range of other subjects relevant to the sector. This allows the student 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), Home Economics, and a European Language.

Work Placement

There is mandatory work placement of a minimum of 12 weeks at the end of Year 1.

myCIT myCourse

"During the year we had several field trips to fantastic hotels and tourist attractions. One of the highlights of the course is the great practical experience we get in working in industry."
Natasha McCarthy



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 and Licenced Premises
- Various Accommodation Providers
- Catering and Events Companies
- Specialist areas such as Reservations, Training, and Personnel

About the Course
The course is designed to meet the skills requirements of students who wish to pursue careers within the hospitality sector. The graduates typically work in contact with the customer, in restaurants and bar operations or associated areas such as conference and banqueting. Equally they may work in areas associated with reception and rooms such as front office or reservations. The programme will focus on the operational skills required in the hospitality sector accompanied by subjects related to the business of hospitality.

Students will have a formal, organised work placement in a good quality hotel or restaurant under the guidance of an experienced hospitality professional. The Placement will be matched to the student's area of interest and skill level. The work placement is a formal component of the programme and is awarded academic marks and credits.

Further Studies
For details, see www.cit.ie

Suitable qualified graduates are eligible to apply for entry to:
→ Bachelor of Business in Hospitality Management
or
→ Bachelor of Business in Bar Management
and thereafter to
→ Bachelor of Business (Honours) in Hospitality Management

Career Opportunities
Graduates may work in management positions in small stylish local hotels or larger corporate hotels. Some specialise in areas such as conference and banqueting. For the student prepared to work hard and who brings flair and passion to hospitality, the opportunities are endless.

The opportunities for skilled hospitality professionals are extensive, whether it is working in the restaurants bars or reception in deluxe hotels, a stylish restaurant or bistro, or in a popular pub or cocktail bar.

Graduates typically take time to travel overseas to gain further experience and enhance their skills. Graduates work in many of the fine hotels and restaurants throughout Ireland and worldwide.

Contact Information
Breda Hickey
Department of Tourism & Hospitality Studies
T: 021 433 5831
E: breda.hickey@cit.ie

Question Time
What is the difference between Hospitality Management and Hospitality Studies?
Hospitality Studies focuses on the day-to-day front of house operations within the sector. Graduates may aspire to positions such as Restaurant Supervisor, Bar Manager, Head Receptionist, and Accommodation Manager. The positions require customer focused and a hands-on approach to successful customer service.

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

What mark do you need to achieve in order to progress to a Degree course?
Progression from Higher Certificate to the Bachelor of Business in Hospitality Management Degree requires a merit result in the final examinations.

What are the facilities like for this course in CIT?
The facilities at the Department of Tourism and Hospitality are of the highest European standard. The Department operates to the highest level of industry recognised Hygiene and Environment management requirements.

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 is supported by a CIT staff member together with a workplace mentor.





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 2011: **Round 1:** 385 / **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	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: 12 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



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
- Residential Centres
- 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

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

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.



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 2011: **Round 1:** 390 / **Final:** 335

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



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

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 Vanessa Murphy
Department of Social and General Studies
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E: vanessa.murphy@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."

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 2011: **Round 1:** 340 / **Final:** 340

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.



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

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.



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

Suitably qualified graduates are eligible to apply for entry to Year 4 of
→ Bachelor of Business (Honours)

This award will greatly enhance the career prospects at management level, and also enable graduates to progress to the Higher Diploma in Education.

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

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 Honours Degree in Business 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 Graduate 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
Sports Officer

"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."



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). Application Form is available from CIT's Department of Education Development (DEIS). 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 a minimum period of twenty weeks. Generally, participants in the course will be active in community development work and this work will often meet the requirements of the placement.

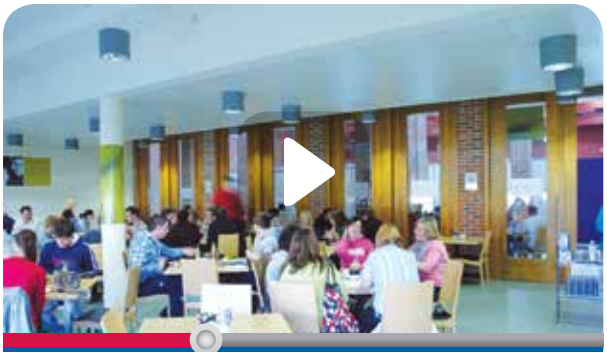
Potential Areas of Employment

- 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



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

Suitably qualified graduates may be considered to proceed to Year 4 of
- → Bachelor of Arts (Honours) in Community Development

This BA Honours Programme has attained conditional professional endorsement from the All-Ireland Interim Endorsement Body of Community Work and Development Education Programmes. 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
Patricia Anderson
Department of Education Development (DEIS)
T: 021 433 5931
E: 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."

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 30th May 2013.

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.

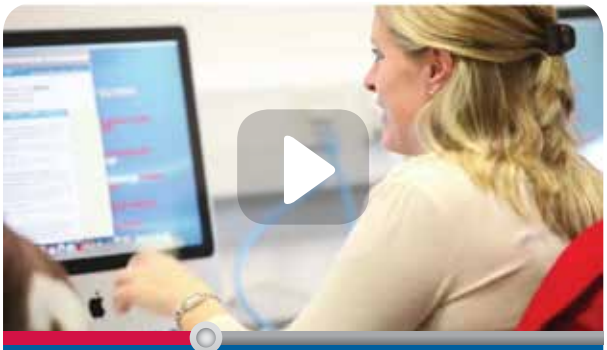
Potential Areas of Employment

- 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



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 (Full-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
W: www.cit.ie/maturestudents

Contact Information
Louise Byrne
Department of Management & Marketing
T: 021 433 5806
E: 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. 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.

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 successfully completed her Master of Business, specialising in Marketing and graduated from CIT in October 2011.



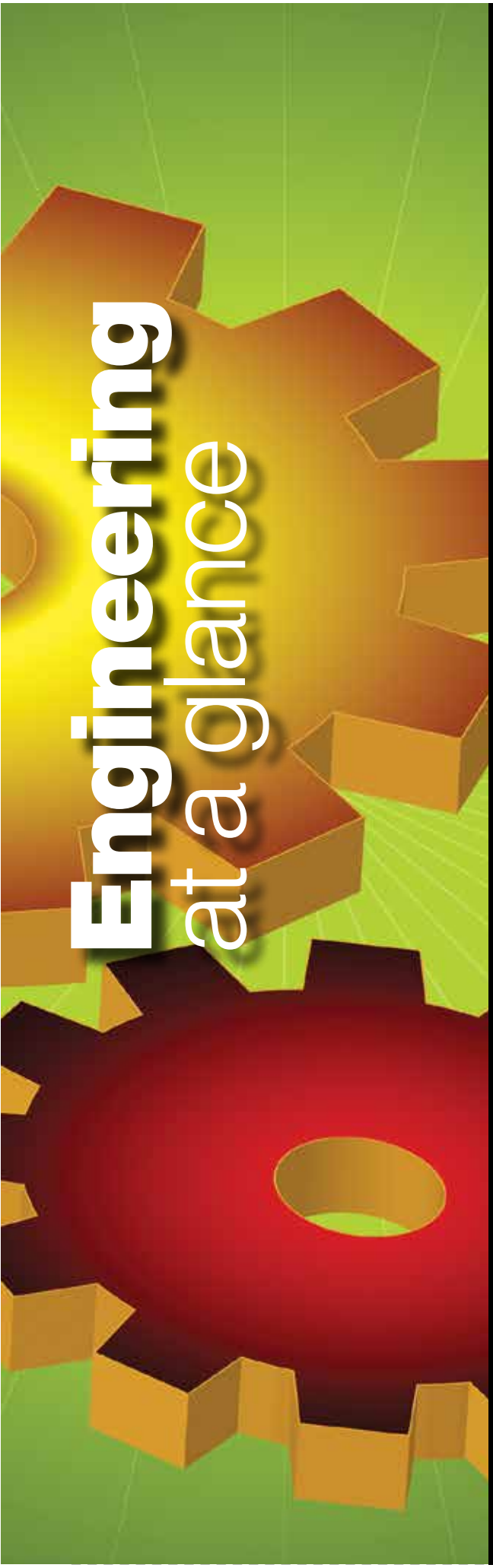
Business & Humanities MASTER CHART

									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 2011	Final Points 2011	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 021	Business Studies	21	Bachelor Degrees	3	✔ (Ref.1)	200	270	270	5	0	D3 (O/H)	D3 (O/H)			✔ (Ref.2/3/4)	✔ (Ref.5/6/7)	✔ (Ref.9)
CR 400	Accounting	23	Honours Bachelor Degree	4		40*	355	355	6	2	D3 (H) or C3 (O)	D3 (O/H)				✔	✔ (Ref.9)
CR 023	Accounting	25	Bachelor Degree	3	✔ (Ref.1)	40*	330	320	5	2	D3 (H) or C3 (O)	D3 (O/H)			✔	✔ (Ref.5/6)	✔ (Ref.9)
CR 420	Marketing	19	Honours Bachelor Degree	4		40	315	295	6	2	D3 (O/H)	D3 (O/H)				✔	✔ (Ref.9)
CR 150	Business Information Systems	27	Honours Bachelor Degree	4		60	315	315	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 022	Business Administration	29	Bachelor Degrees	3	✔ (Ref.1)	50	270	250	5	0	D3 (O/H)	D3 (O/H)			✔ (Ref.2/4/10)	✔ (Ref.5/8)	✔ (Ref.9)
CR 010	Agriculture	31	Bachelor Degree	3	✔ (Ref.1)	40	320	320	5	0	D3 (O/H)	D3 (O/H)			✔	✔	
CR 011	Horticulture	33	Bachelor Degree	3		20	225	210	5	0	D3 (O/H)	D3 (O/H)			✔	✔	
CR 660	Tourism	35	Honours Bachelor Degree	4		30	260	260	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 041	Tourism	37	Bachelor Degree	3	✔ (Ref.1)	30	240	240	5	0	D3 (O/H)	D3 (O/H)			✔	✔	✔
CR 042	Hospitality Management	39	Bachelor Degree	3	✔ (Ref.1)	32	240	240	5	0	D3 (O/H)	D3 (O/H)			✔	✔	✔
CR 640	Culinary Arts	41	Bachelor Degree	3		32	300	275	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.11)	✔
CR 650	Bar Management	43	Bachelor Degree	3		25	250	250	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.11)	✔
CR 655	Culinary Studies	45	Higher Certificate	2		48	200	200	5	0	D3 (O) or B2 (F)	D3 (O/H)		✔	✔ (Ref.14)	✔ (Ref.11)	
CR 657	Hospitality Studies	47	Higher Certificate	2		25	AQA	AQA	5	0	D3 (O) or B2 (F)	D3 (O/H)		✔	✔ (Ref.15)	✔ (Ref.11)	
CR 031	Social Care	49	Bachelor Degree	3		80	385	350	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.12)		✔	✔	✔
CR 032	Recreation & Leisure Management	53	Bachelor Degree	3	✔ (Ref.1)	80	340	340	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.12)		✔	✔ (Ref.5)	✔
CR 620	Early Years Education	51	Bachelor Degree	3		60	390	335	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.2 Bachelor of Business in Marketing
Ref.3 Bachelor of Business in Accounting
Ref.4 Bachelor of Business in Business and Management
Ref.5 Bachelor of Business (Honours)
Ref.6 Bachelor of Business (Honours) in Accounting
Ref.7 Bachelor of Business (Honours) in Marketing
Ref.8 Bachelor of Business (Honours) in Business Administration
Ref.9 Master of Business
Ref.10 Bachelor of Business in Business Administration
Ref.11 Bachelor of Business (Honours) in Hospitality Management

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

NOTE: Round 1 Points 2012 can be found inside the cover of this Handbook.
Number of First Year Places may change.
Leaving Certificate (LC)
Any Qualified Applicants (AQA)



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 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 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
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 2011: **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 (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
- Structural 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



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

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

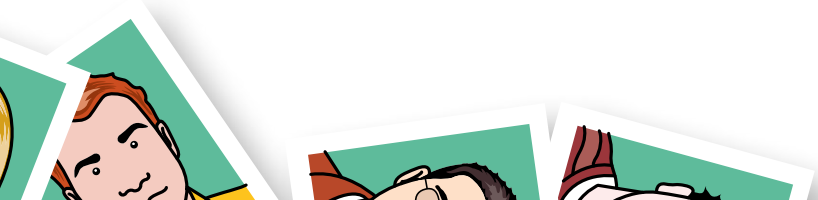
Question Time
Am I guaranteed my choice of study at the end of Year 1?
Yes. Successful completion of the Common Engineering Entry Year ensures guaranteed entry to Year 2 of BEng (Honours) programme of choice from the list given.

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.





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 2011: **Round 1:** 380 / **Final:** 380

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.

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

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



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
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 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

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.

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

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.

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Daniel Goulding
Project Engineer

Daniel graduated with a First Class Honours Degree in Structural Engineering. Following graduation, Daniel received funding from the Environmental Protection Agency to research in the area of renewable energy.

Daniel is currently completing his PhD on a part-time basis while working for Bord Gáis. Daniel was a member of the Sigerson Cup Winning CIT Team in 2009 and was also the recipient of an All-Star award that year. In 2010, he was a key member of the Cork Senior Football Team which won both the Senior Football National League and the All-Ireland Championship.



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 2011: **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



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"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



www.cit.ie/course/CR051



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

Subject to availability of places, suitably qualified graduates may be considered for entry to Year 3 of

→ Bachelor of Engineering (Honours) in Structural Engineering

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

Contact Information
David Cadogan
Department of Civil, Structural & Environmental Engineering
T: 021 433 5957
E: 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



Tony Creane
Civil Engineer

Tony graduated with a distinction and has gained a wide range of experience in the sphere of engineering, from commercial to industrial to residential, from private sector work to government contract work.

"The course provided me with the practical, theoretical and ethical skills that I required in my chosen area of work. Thanks to the quality of the lecturing staff and the first-rate facilities available in the Department, I am now in a position today to successfully move up the career ladder."



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 2011: **Round 1:** 250 / **Final:** 250

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 deals with the organisation and management of a construction project. The Construction Manager monitors the progress and quality of the work on site, supervising and coordinating subcontractors and specialist suppliers. The Construction Manager has overall control of the progression of the project and is responsible for ensuring that the required personnel, materials and equipment are available in the correct sequence and at the appropriate time. She/he must also ensure that all health and safety regulations are met.

Helpful Leaving Certificate Subjects

Construction Studies, and Design and Communication Graphics.

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

Potential Areas of Employment

- Site Management
- Project Planning and Management
- Facilities Management
- Working with Developers, Designers and Contracting Organisations



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
This course is fully accredited by the Chartered Institute of Building.

Further Studies
For details see 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 projects in many parts of the world in his or her role as Construction Manager. The Construction Manager may be involved in all aspects of a project from working for a contractor as a site manager to assisting clients in achieving their construction projects.

Contact Information
Joseph Kehoe
Department of Construction
T: 021 433 5410
E: joe.kehoe@cit.ie

Question Time
Why does a client require a Construction Manager?
If you think of all of the activities and resources that need to be managed to even undertake a simple building project and consider if the client has the necessary capability and experience to undertake this. It can be undertaken by the construction manager allowing the client to concentrate on his own business.

Is a Construction Manager site based?
One of the unique factors of the construction industry is that most of the work is done on a site, it can't be entirely made in a factory and then put in place; so in order to effectively control the process, the construction manager needs to be site based.

Does this only qualify me to work on a building site?
One of the attractions of the industry is the many and varied roles that construction professionals undertake and whilst many of these are site based, a skilled and experienced construction manager may also find many opportunities in other areas of the development and maintenance of the built environment.



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 2011: **Round 1:** 285 / **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 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



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

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.

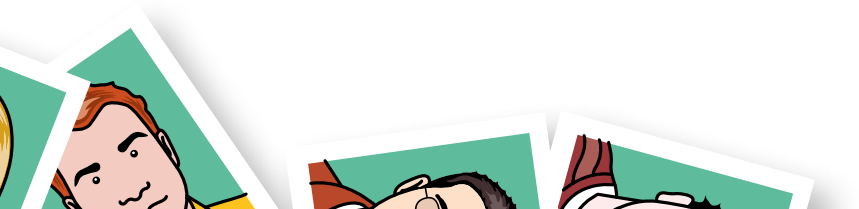
The Contractor's Quantity Surveyor is normally site based and involves controlling construction costs for the Contractor/ Builder as they occur on site. He also procures various subcontractors to carry out different work packages for the building contract.

Contact Information
Eithne Farr
Department of Construction
T: 021 432 6407
E: eithne.farr@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.



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 2011: **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



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"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



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

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
Denis Coveney
Department of Construction
T: 021 433 5950
E: denis.coveney@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

The Lord Pilkington Prize Gold Medallist for 2004, 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."



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 2011: **Round 1:** 420 / **Final:** 420

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.

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

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.



www.cit.ie/course/CK606

Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority



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
A formal application has been made to the Royal Institute of Architects in Ireland for professional accreditation of this course together with a fifth year programme of study leading to the award of a Master's Degree. Provisional accreditation has been granted. Full accreditation can only be granted once the first cohort of students graduate from the five years of education, with their Master of Architecture.

Further Studies
For details, see 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 creativitiy, 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
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T: 021 433 5970
E: katherine.keane@cit.ie

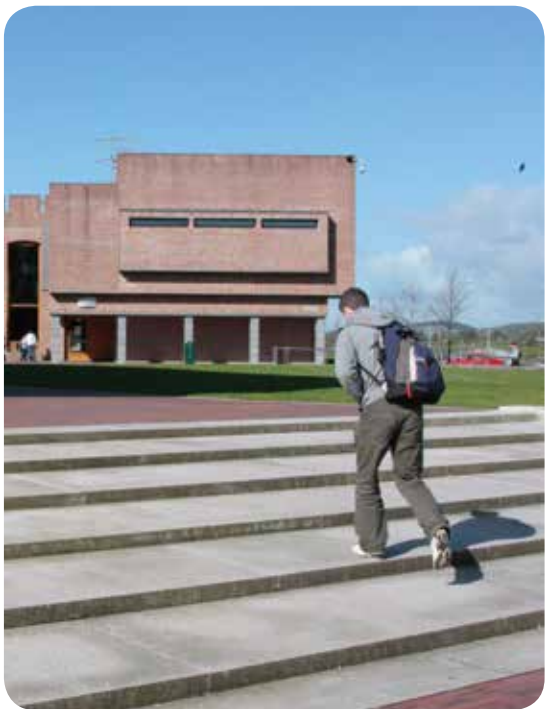
Gerry McCarthy
Cork Centre for Architectural Education
T: 021 429 8401

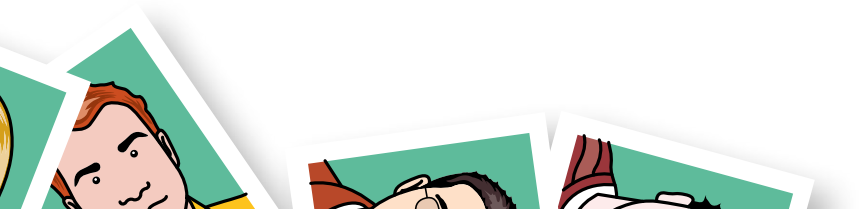
Question Time
How is my time split between CIT and UCC?
This is a joint programme between CIT and UCC. It is housed in the Cork Centre for Architectural Education, Copley Street, Cork.

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.





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 2011: **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 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

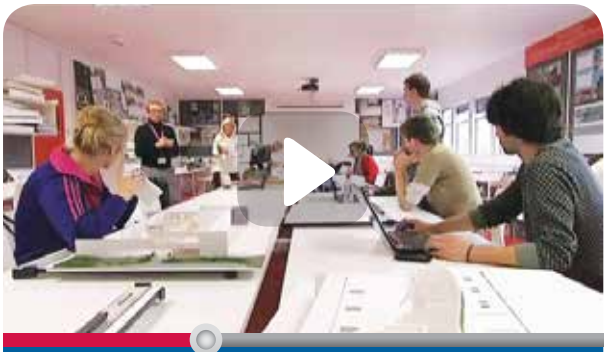
Art, Mathematics, English, Design and Communication Graphics, and a Science subject.

Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority

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"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



www.cit.ie/course/CR560



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

Master's and PhD level are available to suitably qualified graduates in colleges in Ireland and abroad.

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.

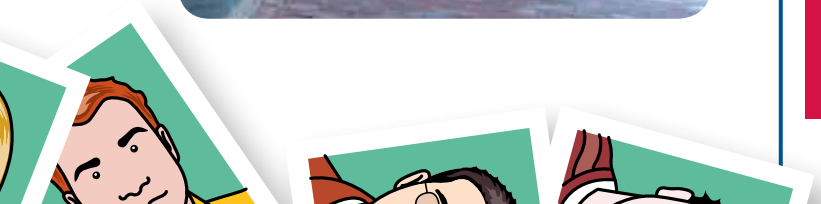
Contact Information
Katherine Keane
Department of Architecture
T: 021 432 6588
E: katherine.keane@cit.ie

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 Technician

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."

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 2011: **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 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.

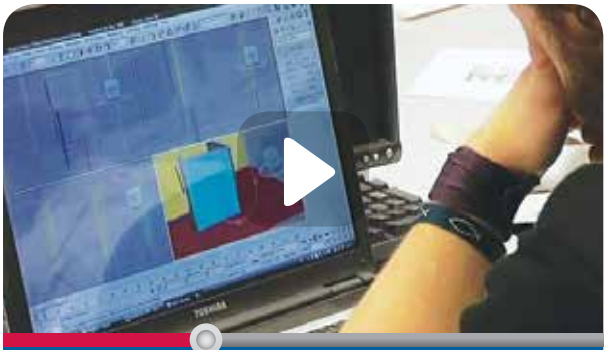
Potential Areas of Employment

- 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



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

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: 021 432 6588
E: 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."



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 2011: **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 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.

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



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 Engineering Construction Industry Association (ECIA). This course is fully accredited by the Chartered Institute of Building.

Further Studies
Attractive postgraduate opportunities at Master's and PhD level in allied disciplines are available in Ireland and abroad.

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
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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 Andos Morimoto restaurant in Soho."



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 2011: **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 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



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 Engineering Construction Industry Association (ECIA). This course qualifies for exemptions from the Chartered Institute of Building.

Further Studies
For details, see 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-employmnet after a suitable period of practical experience.

Contact Information
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Katherine Keane
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E: 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 in 2005.



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 2011: **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 element will assist you in starting up your own business.

Helpful Leaving Certificate Subjects

Business Studies, Construction Studies, Design & Communication Graphics, and Woodwork.

Potential Areas of Employment

- Carpenter/Joiner
- Foreman
- Business Owner
- Project Manager



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 building technology, business knowledge, design and woodworking skills. 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 basic accounting techniques, 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.



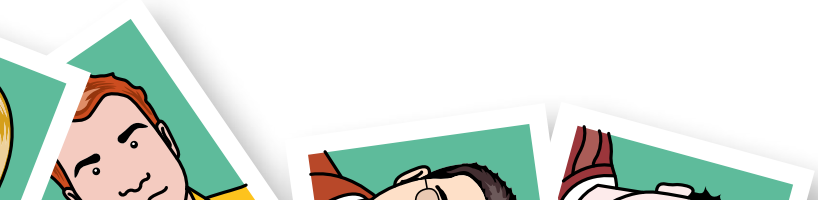
Contact Information
Thomas Murray
Centre of Craft Studies
T: 021 432 6767
E: thomas.murray@cit.ie

Question Time
If I haven't studied woodwork in the Leaving Certificate, will I be at a disadvantage?
No, the course is designed to take a learner from the basics to complex skill level in Carpentry & 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.

Will I have an opportunity to enter the National Skills Competition?
No, currently the National Skills Competition is open to apprentices studying a Level 6 Advanced Certificate.



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 2011: **Round 1:** 395 / **Final:** 395

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.

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"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

Helpful Leaving Certificate Subjects

Mathematics, Chemistry, Biology, Physics, and Applied Mathematics. We recommend that you have two of the three science subjects.



www.cit.ie/course/CR105

Work Placement

A salaried placement at the end of Year 3 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



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 and www.cit.ie/chemeng

Accreditation
The Honours Degree course is accredited by Engineers Ireland and by the Institution of Chemical Engineers which means that the Degree is internationally recognised and transferrable. Such accreditation endorsements commence your process to becoming a Chartered Engineer once you have gained appropriate experience.

Further Studies
For details, see 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
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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."



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 2011: **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 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 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



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

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
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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 do we have 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.

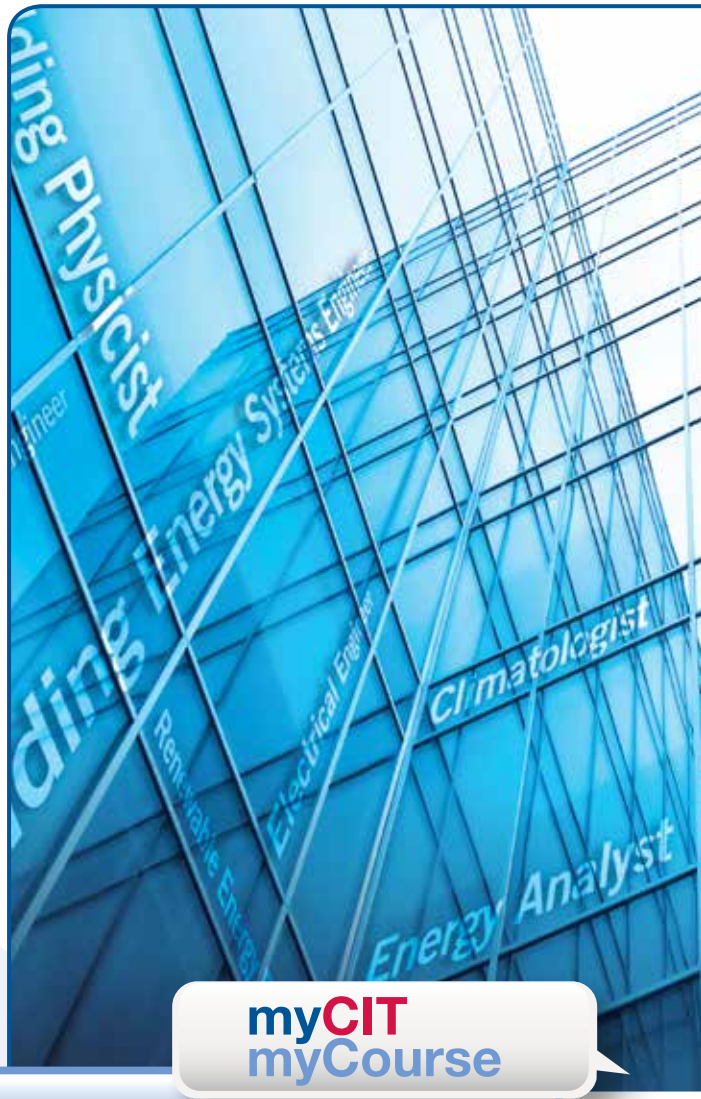
Julie undertook a final year project in Wind Energy and graduated in 2010. Julie now works for Bord Gáis as a graduate engineer.



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 2011: **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	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.

myCIT myCourse

"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

Helpful Leaving Certificate Subjects

Mathematics, Physics, Engineering, Chemistry, and English.



www.cit.ie/course/CR522

Work Placement

There is a minimum of 10 weeks work placement in Year 3.



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

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
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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. The course is expected to be accredited by Engineers Ireland for membership at Associate Engineer level.

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_2 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.

Are you qualified to be a BER Inspector Assessor?
No, the core material for the building energy rating procedure is covered but some additional study and assessment is required to qualify as a BER Assessor.

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."

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 2011: **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 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



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

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 multimillion 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
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Question Time
Has the course professional accreditation?
The course is accredited by Engineers Ireland for membership at Associate Engineer level.

Are you qualified to be a BER Inspector Assessor?
No, the core material for the domestic building energy rating procedure is covered but some additional study and assessment is required to qualify as a BER Assessor.

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



Paul O'Sullivan
Building Services Engineer

Paul has worked with engineering firms on projects in Athens, Paris, Brussels, and Amsterdam and has worked for PM Group on large scale Biotechnology projects.

He has spent time with Varming Engineers designing a number of low energy sustainable building projects. He was responsible for building energy analysis and systems design.

Paul now lectures on the Building Services Engineering course at CIT.

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 2011: **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 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 have had an interest in motor vehicles for a long time and want to pursue a career in the Motor Industry. I enjoy the course and would recommend it to anyone interested in working in the Motor or Transport Industry."
Raymond Doherty



www.cit.ie/course/CR046



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

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

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 Honours Degree course.

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 got a job straight away with Creedon Transport as a Transport Manager. I use the skills I learnt in CIT on a daily basis when dealing with our customers in Ireland and the UK. It's a challenging and enjoyable position to have."



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.

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

Helpful Leaving Certificate Subjects

Maths, English, Chemistry, Physics, and Biology.



www.cit.ie/course/CRSGMPR6Y1

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



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 Third-Level Training Grant administered by local VEC offices 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

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

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.

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.



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 2011: **Round 1:** 350 / **Final:** 345

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.

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**

Helpful Leaving Certificate Subjects

Mathematics, Physics, Applied Mathematics, Engineering, and Chemistry.



www.cit.ie/course/CR108

Work Placement or Project

There is a mandatory work placement of 10 weeks in Year 3.

Potential Areas of Employment

- Mechanical Design
- Medical Devices
- Manufacturing and Precision Engineering
- Process Plant
- Aerospace
- Project Engineering
- Offshore Oil and Gas



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. 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 course is fully accredited by Engineers Ireland such that the student may proceed to Chartered Engineer status. 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

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

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. The Innovative Product 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.

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 informatio 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 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.



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 2011: **Round 1:** 275 / **Final:** 275

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



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"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



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

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
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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?
Graduates can become Associate Members of Engineers Ireland.

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 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.



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?

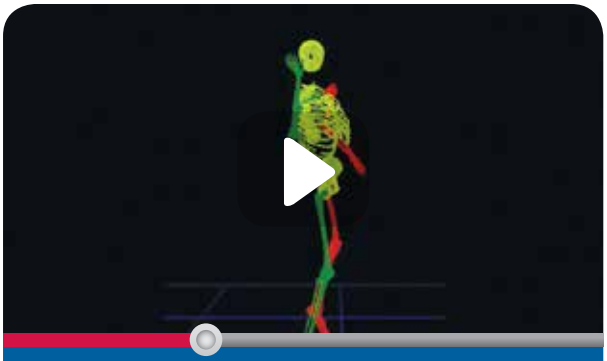
Biomedical Engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. Products include prosthetic devices to provide the disabled with tools to improve their quality of life, disposable plastic and wound care products, and precision 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.

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

Helpful Leaving Certificate Subjects

Mathematics, Physics, Biology, and Engineering.



www.cit.ie/course/CR520 and www.cit.ie/bioeng

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



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 and 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
W: 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?
Yes, Graduates can become Associated Members of Engineers Ireland.

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 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."



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 2011: **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 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.

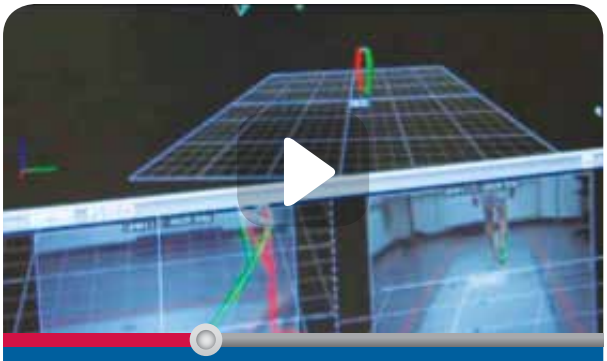
Potential Areas of Employment

- 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 and 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

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
Daithí Fallon
Department of Mechanical, Biomedical and Manufacturing Engineering
T: 021 432 6172
E: daithi.fallon@cit.ie
W: 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?
Yes, at Associate Level with Engineers Ireland.

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 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.



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 2011: **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 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.

myCIT myCourse

"The course provided me with the knowledge and experience I need to tackle today's job markets."
Stephen Kelleher

Helpful Leaving Certificate Subjects

Mathematics, English, Applied Maths, and 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



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.

Contact Information
Dr Tom O'Mahony
Department of Electrical & Electronic Engineering
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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_2 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 16 & 17 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 2011: **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 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

Mathematics, English, Applied Maths, and 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 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.

Contact Information
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Department of Electrical & Electronic Engineering
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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, in many cases, 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."

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 2011: **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 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.

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

Helpful Leaving Certificate Subjects

Mathematics, English, Applied Maths, and Physics.

Potential Areas of Employment

- Energy Generation/Transmission
- Building Supply/Installation/Services/Maintenance
- Consultancy/Contract Management
- Process/Automation Industry



www.cit.ie/course/CR580



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

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
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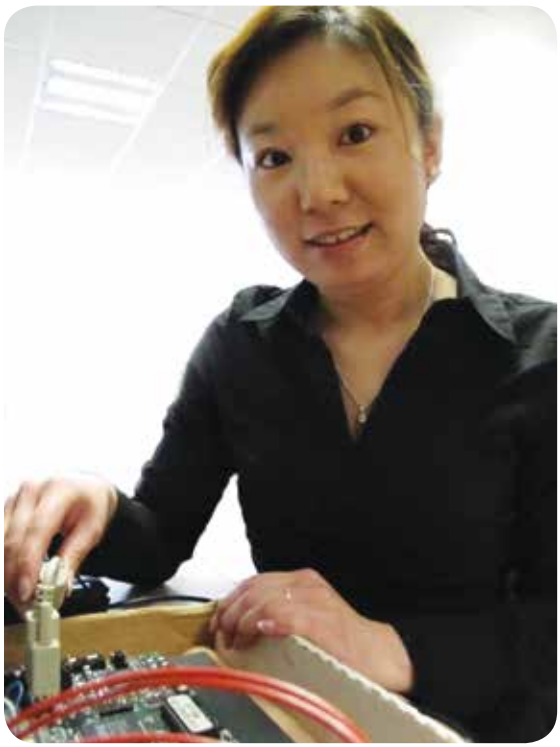
Question Time
Can I become an electrician?
An electrician is a well-established and reputable trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to work at design/development level and then to liaise with skilled trades 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."

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 2011: **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 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

Mathematics, English, Applied Maths, and 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 Hennebry



www.cit.ie/course/CR062



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

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.

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 has been accredited by Engineers Ireland for Associate membership in the past and that application is up for renewal again soon.

Can I become an electrician?
An electrician is a well-established and reputable 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.

Contact Information
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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."

Engineering 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 2011	Final Points 2011	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 500	Engineering (Common Entry) (Ref.2)	61	Honours Bachelor Degrees			30	310	310	6	2	D3 (H) or A2 (O)	D3 (O/H)		✔	✔
CR 109	Structural Engineering	63	Honours Bachelor Degree	4		20	380	380	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 051	Civil Engineering	65	Bachelor Degree	3	✔ (Ref.1)	40	225	225	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.13)	✔
CR 570	Quantity Surveying	69	Honours Bachelor Degree	4		20	285	285	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 572	Construction Management	67	Honours Bachelor Degree	4		20	250	250	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 052	Construction	71	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)	73	Honours Bachelor Degree	4		45	420	420	6	2	D3 (O/H)	D3 (O/H) in both Irish & English		✔	✔
CR 560	Architectural Technology	75	Honours Bachelor Degree	4		36-40*	320	320	6	2	D3 (O/H)	D3 (O/H)		✔	
CR 090	Architectural Technology	77	Bachelor Degree	3		36-40*	300	300	5	0	D3 (O/H)	D3 (O/H)	✔	✔	
CR 565	Interior Architecture	79	Honours Bachelor Degree	4		40**	300	300	6	2	D3 (O/H)	D3 (O/H)		✔	
CR 053	Interior Architecture	81	Bachelor Degree	3		40**	250	250	5	0	D3 (O/H)	D3 (O/H)	✔	✔	
CR 077	Craft Technology (Wood) with Business	83	Bachelor Degree	3		20	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)	✔		
CR 105	Chemical & Biopharmaceutical Engineering	85	Honours Bachelor Degree	4		20	395	395	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 590	Electronic Systems Engineering	105	Honours Bachelor Degree	4		40****	300	300	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 061	Electronic Engineering	107	Bachelor Degree	3	✔ (Ref.1)	40****	220	220	5	0	D3 (O/H)	D3 (O/H)	✔	✔	✔
CR 062	Electrical Engineering	111	Bachelor Degree	3	✔ (Ref.1)	40***	250	250	5	0	D3 (O/H)	D3 (O/H)	✔	✔	✔
CR 580	Electrical Power Systems	109	Honours Bachelor Degree	4		40***	310	310	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 108	Mechanical Engineering	97	Honours Bachelor Degree	4		20	350	345	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 071	Mechanical Engineering	99	Bachelor Degree	3	✔ (Ref.1)	80	275	275	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.7/8/9/10)	✔
CR 510	Sustainable Energy	87	Honours Bachelor Degree	4		40	330	330	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 520	Biomedical Engineering	101	Honours Bachelor Degree	4		10	370	330	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 075	Biomedical Engineering	103	Bachelor Degree	3	✔ (Ref.1)	20	255	255	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.8/11)	✔
CR 522	Building Energy Systems	89	Honours Bachelor Degree	4		20	New Course	New Course	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 072	Building Services Engineering	91	Bachelor Degree	3	✔ (Ref.1)	20	250	250	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.7/10/14)	✔
CR 046	Transport Management & Technology	93	Bachelor Degree	3	✔ (Ref.1)	40	225	225	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
* 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 2012 can be found inside the cover of this Handbook.
Number of First Year Places may change.
Leaving Certificate (LC)



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.



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 duty, 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

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 with weights equipment. An instructor is available to design fitness programmes. 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

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. 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 Years (6 Semesters) including seatime
Places: 36
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2011: **Round 1:** 345 / **Final:** 315

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 be capable of passing the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport and are requested 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.



myCIT
myCourse

"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

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.



www.cit.ie/course/CR094

Work Placement

There is a mandatory work placement of 15 months seatime 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



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 I are expected to be placed in a commercial ship in Year 2, gaining fifteen months seatime for practical training experience, and to gain the necessary 'seatime' for the Department of Transport 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 and 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 seatime. 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
Admissions Office,
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Ringaskiddy, Co. Cork.
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F: +353 (0) 21 497 0696
E: admissions@nmci.ie
W: 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 Shipping Company 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 Shipping Company 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.





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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 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.

Marine & Plant Engineering

CR 095 Level 7 Award

>> Progression to Chief Engineer

Application: CAO
Award Title: Bachelor of Engineering in Marine & Plant Engineering
Duration: 3 Years (6 Semesters) + 1 Year Work Placement
Places: 40
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2011: **Round 1:** 340 / **Final:** 305

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 be capable of passing the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport and are requested 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.



myCIT
myCourse

"Besides learning mechanics and thermodynamics, you get a lot of practical experience in workshops, machines, and other equipment on board ships. The subjects are varied and the year at sea really brings a lot of things together. It is a great and exciting career."
Cian Murphy

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 52 weeks.



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)
- Company land based engineering support and dry docking
- Power Plant Engineers, similar to ships
- Marine 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 I 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 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

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 seatime. Careers exist on all different type of ocean going vessels: bulk carriers, oil tankers, container ships, cruise ships, and ferry vessels.

Contact Information
Admissions Office,
National Maritime College of Ireland,
Ringaskiddy, Co. Cork.
T: +353 (0) 21 497 0643
F: +353 (0) 21 497 0696
E: admissions@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 seatime 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."



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: 3 Years (6 Semesters) + 1 Year Work Placement
Places: 20
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2011: **Round 1:** 280 / **Final:** 270

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 be capable of passing the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport and are requested 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.



myCIT myCourse

"I found the course difficult at times, but the subjects were very interesting, especially the workshops. Looking forward to next year and doing more electrotech subjects."
Jim Duffy

What is Marine Electrotechnology

An Electro Technical Officer (ETO) operates, maintains and calibrates all electrical, electronic and control 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 52 weeks.

Potential Areas of Employment

- Electro Technical Officers
- Marine Electronic Maintenance
- Aviation Instrumentation Maintenance



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 is 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 I 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 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.

Every effort is made to secure sea berths with shipping companies, but this cannot be guaranteed by the NMCI/CIT.

Further Studies
For details, see 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.

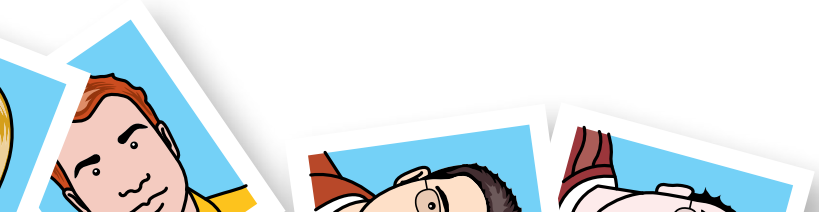
Career Opportunities
Electro Technical Officers of a high standard are particularly sought after within the cruise line industry. There are also a number of opportunities ashore in a wide variety of fields including marine electronic maintenance and aviation instrumentation maintenance industries.

Contact Information
Admissions Office,
National Maritime College of Ireland,
Ringaskiddy, Co. Cork.
T: +353 (0) 21 497 0643
F: +353 (0) 21 497 0696
E: admissions@nmci.ie
W: 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 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. 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
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. 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.

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 in-service training or work placement onboard ships at sea.

Potential Areas of Employment

- Category 2 Seaman
- Category 1 Seaman
- 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



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.

Admission Requirements
Applicants should be at least 17 years of age. 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 seatime may apply for Recognition of Prior Learning (www.cit.ie/rpl). Where work based learning is accepted, the applicant may only be required to complete Semesters 4 and 6.

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.

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 a Category 2 Seaman.

The Higher Certificate programme includes in-service training or 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

Holders of the OOW Certificate may proceed 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. However, option 2 gives the widest range of job opportunities and the possibility of a shore based job.

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 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
Admissions Office,
National Maritime College of Ireland,
Ringaskiddy, Co. Cork.
T: +353 (0) 21 497 0643
F: +353 (0) 21 497 0696
E: admissions@nmci.ie

Question Time
How long is the Department of Transport oral examination and where does the exam take place?
The Department of Transport oral examinations can last approximately an hour. They take place in the Marine Surveyors Office, Department of Transport, 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 12 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 a Category 1/2 Seaman 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."

Supply Chain and Transport Management

Level 7 Award

Application: NMCI. Application form available at 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



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

Admissions Office,
National Maritime College of Ireland,
Ringaskiddy, Co. Cork.
T: +353 (0) 21 497 0643
E: admissions@nmci.ie
or
Jane O'Keeffe
E: jokeeffe@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



Ian O'Reilly
Site Lean Six Sigma Leader

"This course offered me the chance to gain a degree in my field. The course was structured, relevant, and motivating. The modules on Quality and Lean Operations and Managing Performance Measurement were particularly enlightening.

I have recently been promoted to the position of Site Lean Six Sigma Leader. I have no doubt that this Degree was a key factor in helping me to progress my career."

NMCI 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 2011	Final Points 2011	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 094	Nautical Science	117	Bachelor Degree	3		36	345	315	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔	✔	✔ (Ref.2)
CR 095	Marine & Plant Engineering	119	Bachelor Degree	4*		40	340	305	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔		✔ (Ref.3)
CR 805	Marine Electrotechnology	121	Bachelor Degree	4*		20	280	270	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔	✔	✔ (Ref.4)

Ref.1 Applicants for this course must be capable of passing the approved Medical Fitness and Eyesight tests and are requested to attend a Career Advisory Session.
Offer of a place on the course will be subject to passing the medical & eyesight tests at the time of offer.
Ref.2 Further study at NMCI to Ship's Master.
Ref.3 Further study at NMCI to Chief Engineer.
Ref.4 Progression to Electro Technical Officer on ocean going vessels.
* Duration of CR 095 and CR 805 is 3 Years (6 Semesters) and 1 Year work placement.

NOTE: Round 1 Points 2012 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 2011 for CR 305 Level 8: Round 1: 310 / **Final:** 310
CAO Points in 2011 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

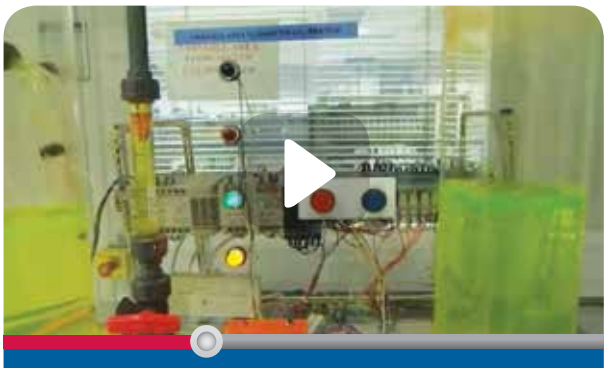
Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O/H)	D3 (O/H)

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, and Chemistry.



www.cit.ie/course/CR300 and
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

Contact Information

Dr John Wood
Department of Chemistry
T: 021 433 5870
E: john.wood@cit.ie

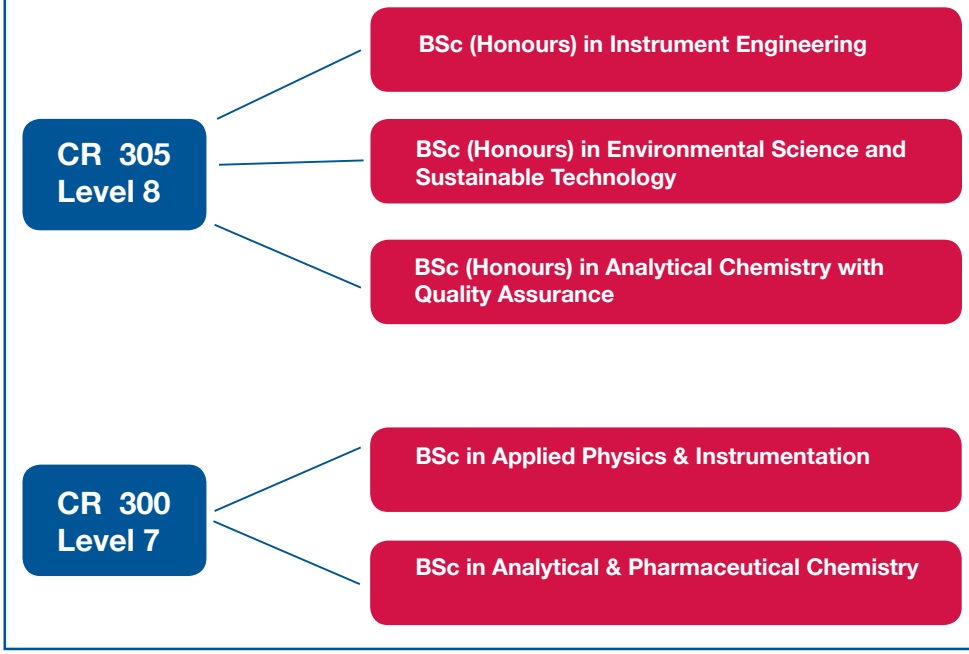
Question Time

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)





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 2011: **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 Analytical 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.

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

Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, and 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



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 pharmachemical 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 HDip is also required.

Further Studies
For details, see 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 pharmachem 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
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Question Time
If I didn't study Chemistry for the Leaving Certicate, 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."



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 2011: **Round 1:** 300 / **Final:** 265

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.

Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, and 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



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

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 HDip 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

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.

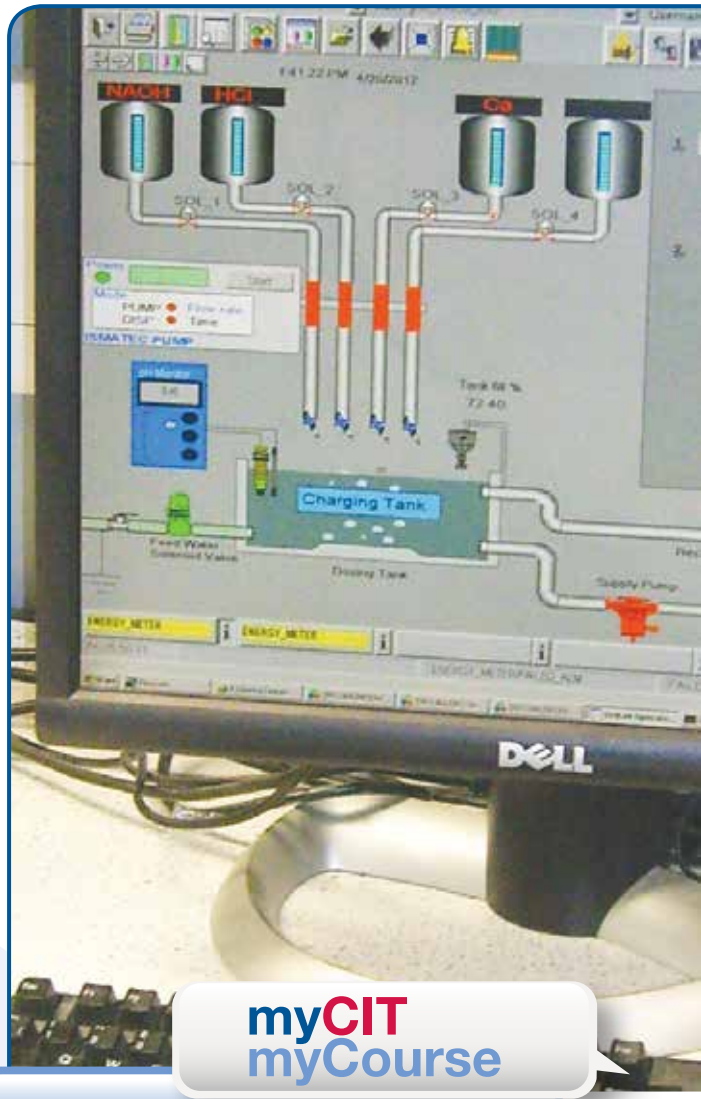
The position of a quality control specialist has plenty of variety and challenges, with many opportunities to get involved in different areas within the pharmaceutical manufacturing industry. I use a lot of what I learned in my Degree when dealing with my daily workload, but I appreciate it even more when troubleshooting the problems that arise from time to time."



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 2011: **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



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

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
Dr Liam McDonnell
Department of Applied Physics and Instrumentation
T: 021 433 5595
E: liam.mcdonnell@cit.ie

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 pharmachem, biotech and other process industries. Employment is either directly with these companies or in the systems integrators and engineering consultancies that support these companies.





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 2011: **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 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.

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

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



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

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
Dr Liam McDonnell
Department of Applied Physics & Instrumentation
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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.





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 2011: **Round 1:** 270 / **Final:** 270

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

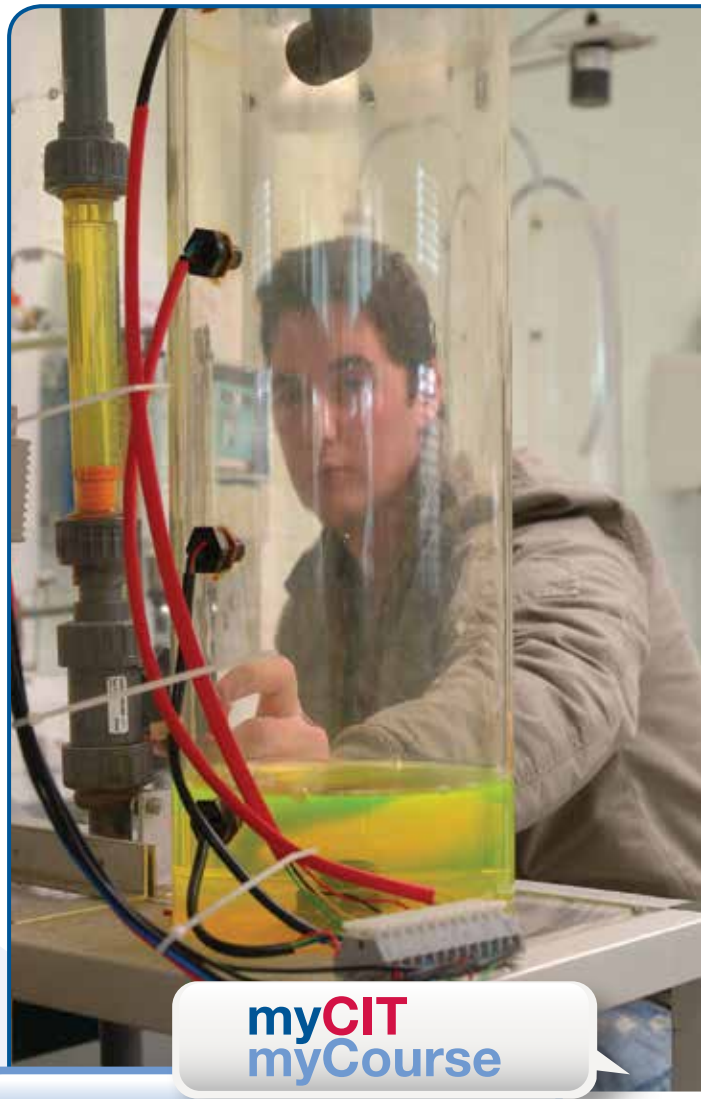
Physics, Engineering, Technology, Chemistry, and Mathematics.

Work Placement

There is a mandatory work placement of 8 weeks in Year 3.

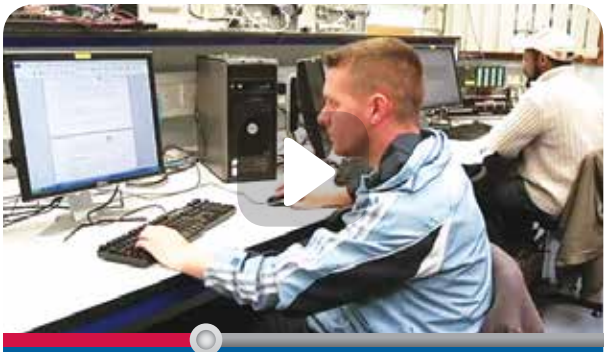
Potential Areas of Employment

- Calibration
- Instrument/Automation/Control Engineering
- Research and Development
- Metrology



myCIT myCourse

"I chose Applied Physics and Instrumentation as there is wide range of employment opportunities afterwards."
Joanne Riordan



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

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 HDip 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
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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 pharmachem, 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."

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 2011: **Round 1:** 495 / **Final:** 495

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-graduately 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



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 is fully accredited by the Academy of Medical Laboratory Sciences (AMLS).

Further Studies
For details, see 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
Dr Brigid Lucey
Department of Biological Sciences
T: 021 433 5484
E: brigid.lucey@cit.ie

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.



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 2011: **Round 1:** 250 / **Final:** 250

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, see further information in the Yellow Pages at the back of this Handbook.

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

myCIT myCourse

"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



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

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
Anna-Maria Keaveney
Department of Biological Sciences
T: 021 433 5402
E: anna-maria.keaveney@cit.ie

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 chose 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 chose 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

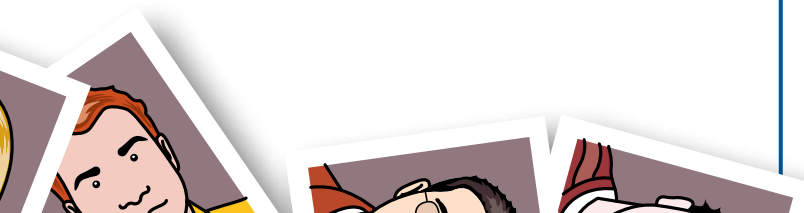


Tracey Ryan
Company Owner

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."



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 2011: **Round 1:** 285 / **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 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.

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"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

Helpful Leaving Certificate Subjects

Biology, and Chemistry.



www.cit.ie/course/CR325

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



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

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.

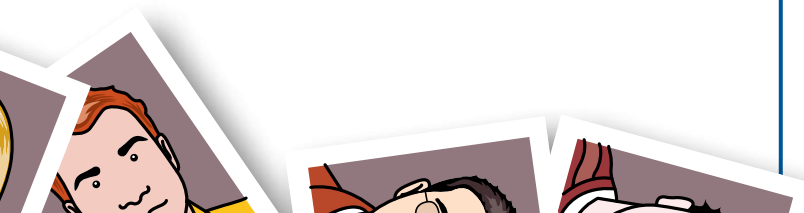
Contact Information
Dr Jim O'Mahony
Department of Biological Sciences
T: 021 433 5485
E: jim.omahony@cit.ie

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."

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 2011: **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 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.

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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

Work Placement

There is work placment of a minimum of 16 weeks in Year 3.

Possible Areas of Employment

- Research Scientist in food, nutraceutical, and related healthcare industries
- Production, Management and Marketing in food, nutraceutical and related healthcare industries
- Governmental agencies responsible for food
- Quality Assurance



www.cit.ie/course/CR333



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

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
Dr Helena Stack
Department of Biological Sciences
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E: helena.stack@cit.ie

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."



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 2011: **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



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"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



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

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
Dr Roy Sleator
Department of Biological Sciences
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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.

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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.



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 2011: **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 (H) or B3 (O)	D3 (O/H)

What is Software Development?

Software Development programmes provide graduates with the skills and knowledge required to design and create the software programmes that people use every day. For example, you use software programmes when using the Internet, booking a flight or running an app on your phone.

Helpful Leaving Certificate Subjects

English, Science, Mathematics, Engineering, and Business.

Work Placement

There is a mandatory work placement of 5 months in Year 3.

Possible Areas of Employment

- Software Development Engineer
- Web Developer
- Software Testing

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



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

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^2 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
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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.

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Garry Bennett
Company Owner

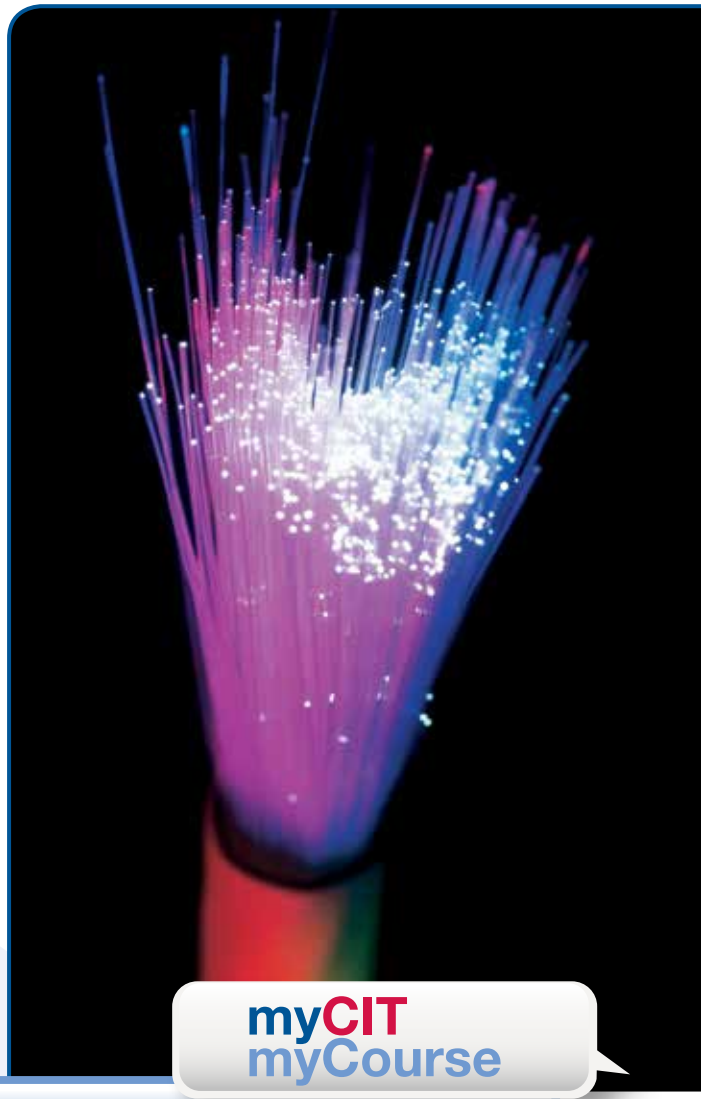
"My first employment was with Yahoo! as a Junior Developer and within one year, I was promoted to Senior Developer. Another year on, I was promoted to Engineering Manager for the Travel and Autos categories. After 4 years with Yahoo!, I moved to Sydney and worked as Project Manager with a leading web 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. 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.



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 2011: **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 (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, Engineering, and Business.

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"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

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



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

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

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 Engineering 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.

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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."



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 2011: **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



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"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



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 the strategic reliance on IT systems and infrastructures grows ever more critical within organisations, the demand for graduates with the skills required to manage and implement IT services and projects of a complex technical nature remains constant. 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 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

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
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E: 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.





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 2011: **Round 1:** 300 / **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?

Web Development refers to the programming required to create websites and web applications. This course can be considered as software development for the web. It provides graduates with the skills and knowledge required to design and create websites and web applications (i.e. the programmes/websites that people use every day on the Internet). Some examples would be Facebook, Youtube, Amazon, or basically any website you visit.

Helpful Leaving Certificate Subjects

English, Science, and Mathematics.

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"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

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



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 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

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
The Web has become a primary delivery mechanism for software systems. 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. There are a large number of companies in Ireland, both large and small, developing applications for the Internet.

Contact Information
Gary Couse
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E: 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.





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 2011: **Round 1:** 290 / **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 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 Business.

Possible Areas of Employment

- Software Development
- Web Developer
- Network Engineer
- DBMS Developer
- Software Support Engineer



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



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.

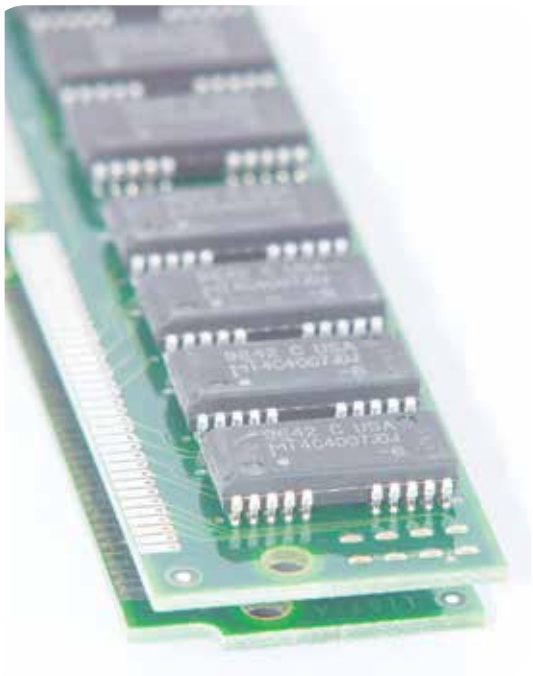
About the Course
The Computing programme provides graduates with the knowledge and skills necessary to successfully pursue a career in the Information and Communications Technology sector. This multipurpose course provides the student with the knowledge to tackle networking problems, identify requirements and using these to design and create a workable software solution for any business.

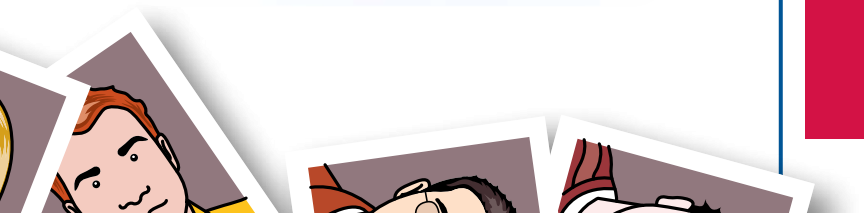
This course allows you the time to discover which area of Computing you enjoy. It also gives you total control when it comes to continuing on the path you have chosen. This course opens up the different strands in computing allowing you the time needed to develop and grow in each area. When you have 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

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

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.

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.

Information Technology Support

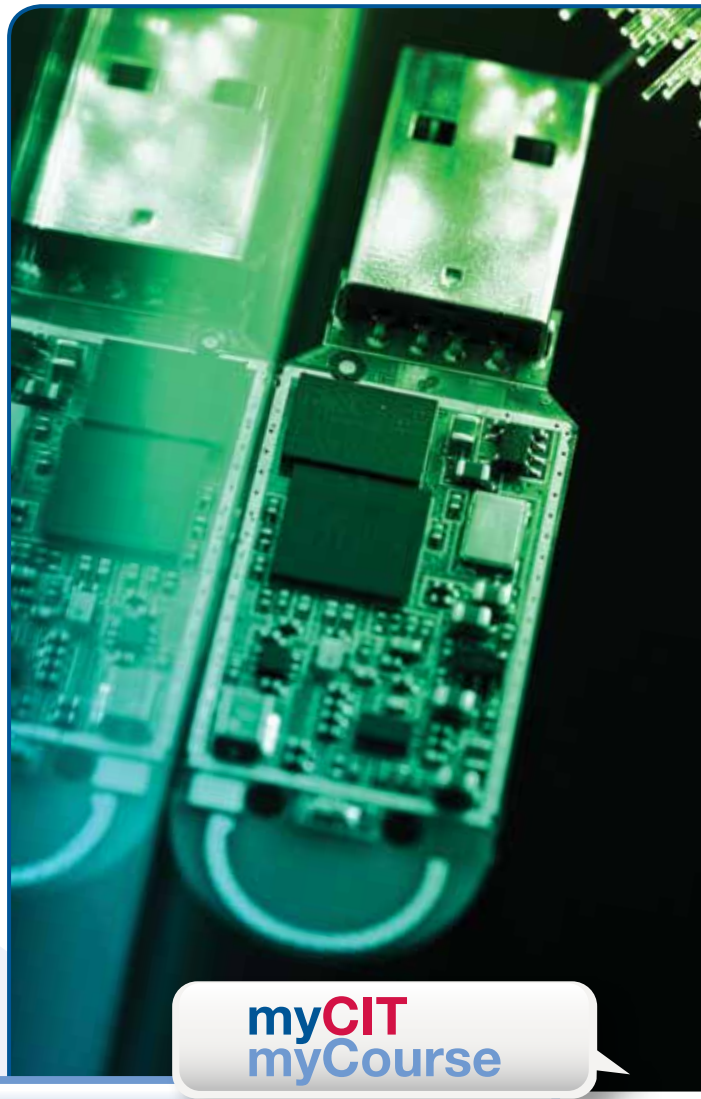
CR 888 Level 7 Award

>> 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 2011: **Round 1:** 245 / **Final:** 245

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)



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

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

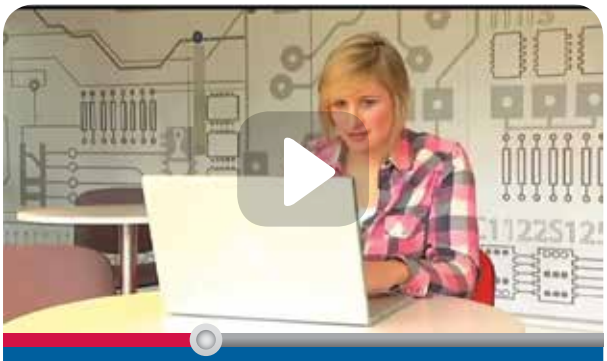
English, Science, Mathematics, Engineering, and Business Studies.

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



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

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

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.





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.

Science & Informatics 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 2011	Final Points 2011	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Other Requirements	Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 305	Physical Sciences (Common Entry Level 8) (Ref.2)	129	Honours Bachelor Degrees			20	310	310	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	330	330	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 001	Applied Physics & Instrumentation	139	Bachelor Degree	3	✔ (Ref.1)	20	270	270	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.7)	✔
CR 325	Pharmaceutical Biotechnology	145	Honours Bachelor Degree	4		25	285	285	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 333	Nutrition & Health Science	147	Honours Bachelor Degree	4		40	320	320	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 006	Applied Biosciences	149	Bachelor Degrees	3	✔ (Ref.1)	40	290	290	5	0	D3 (O/H)	D3 (O/H)			✔ (Ref. 4/5)	✔	✔
CR 320	Biomedical Science (CIT & UCC Joint Course)	141	Honours Bachelor Degree	4		30	495	495	6	2	D3 (O/H)	D3 (O/H) in both Irish & English	C3 (H) in one Science Subject (Ref.6)			✔	✔
CR 330	Herbal Science	143	Honours Bachelor Degree	4		20	250	250	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 340	Analytical Chemistry with Quality Assurance	131	Honours Bachelor Degree	4		10	290	290	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 007	Analytical & Pharmaceutical Chemistry	133	Bachelor Degree	3	✔ (Ref.1)	20	300	265	5	0	D3 (O/H)	D3 (O/H)			✔	✔	✔
CR 106	Software Development	151	Honours Bachelor Degree	4		20	290	290	6	2	D3 (H) or B3 (O)	D3 (O/H)				✔	✔
CR 116	Software Development & Computer Networking	153	Honours Bachelor Degree	4		20	290	290	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	300	295	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 016	Computing	159	Bachelor Degree	3	✔ (Ref.1)	40	290	280	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.8)	✔
CR 888	Information Technology Support	161	Bachelor Degree	3	✔ (Ref.1)	20	245	245	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.9)	✔

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 At the end of Semester 1 students may apply to transfer into CR 340, CR 360, CR 365
Ref.3 At the end of Semester 1 students may apply to transfer into CR 001 or CR 007.
Ref.4 BSc in Food & Health Science
Ref.5 BSc in Applied Biosciences and Biotechnology
Ref.6 Science Subject requirement can be from Chemistry, Biology, Physics or Phys/Chem.
Ref.7 BSc (Honours) in Applied Physics & Instrumentation or Bachelor of Science (Honours) in Instrument Engineering
Ref.8 BSc (Honours) in Software Development OR BSc (Honours) in IT Management OR BSc (Honours) in Cloud Computing
Ref.9 BSc (Honours) in IT Management OR BSc (Honours) in Cloud Computing

NOTE: Round 1 Points 2012 can be found inside the cover of this Handbook.
Number of First Year Places may change.
Leaving Certificate (LC)



CIT Cork School of Music at a glance

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^2 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*
- *MusicITlab*
- 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.



In March, 2012, Martin Johnson of CIT Cork School of Music was named as Overall Best Student at the Annual Prizegiving Ceremony. Martin was presented with his prize by CIT President, Dr Brendan Murphy. Martin was also awarded the prize for Best Taught Master's Degree Student. Martin is currently the Principal Cellist with the RTÉ National Symphony Orchestra.

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, 20th April 2013. 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 18th-20th April 2013. 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

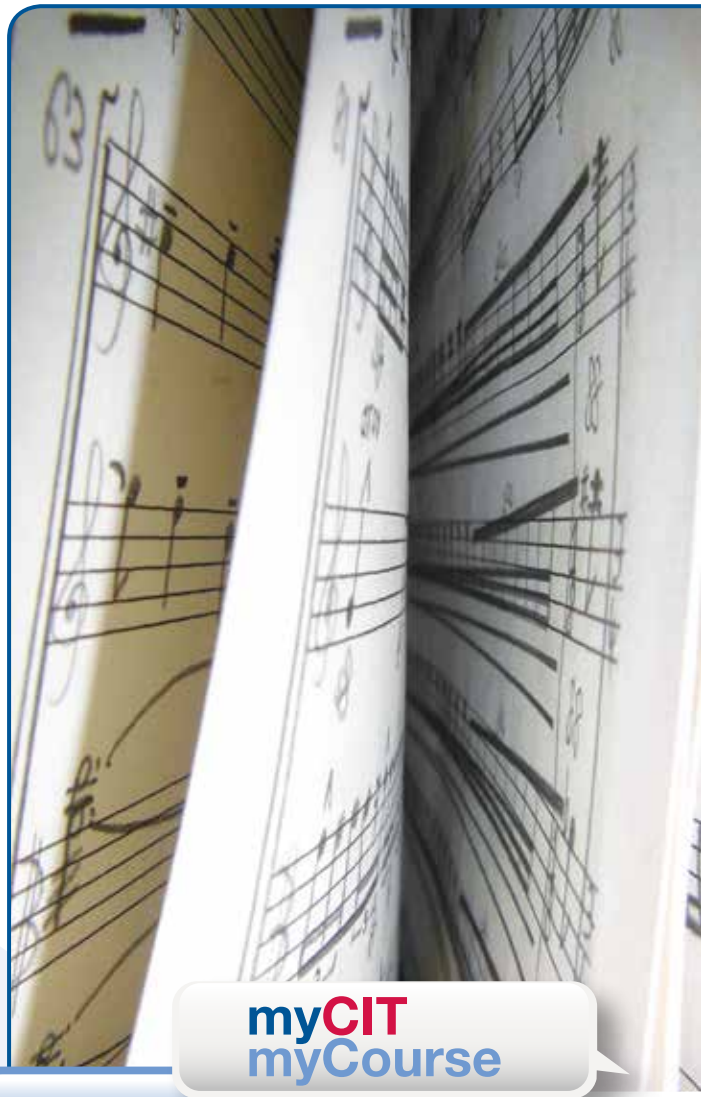
This is a four-year programme that centres on theatre performance training, with supporting modules to facilitate wider career options. The programme aims to produce artists that are physically and vocally flexible and intellectually alive and curious. Alongside core disciplines of voice, movement and 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 2011: **Round 1:** 795 / **Final:** 795

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.

myCIT myCourse

"The broad range of specialisms on offer in Year 3 & 4 meant that I could mould my Degree into a unique and rewarding experience that supported my career aspirations."
Sarah Keane

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.



www.cit.ie/course/CR121

Potential Areas of Employment

- Solo and Ensemble Performance
- Music Teaching
- Music Production and Recording
- Film, Video and TV Scoring



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

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

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, 20th April 2013.

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.



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 2011: 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.

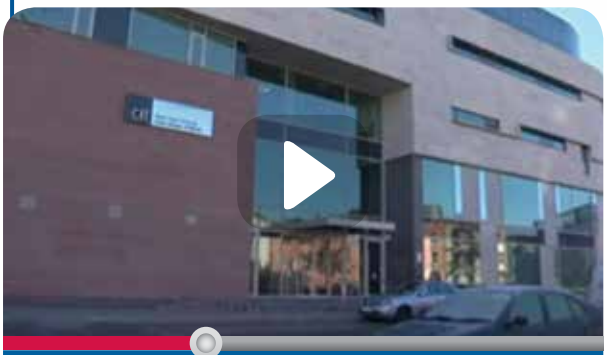
What is Popular Music?

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.





www.cit.ie/course/popularmusic



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

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

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, 18th - 20th April, 2013.

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.





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 2011: 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 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



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

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
Nobody pursues performing arts studies to guarantee a job or career… individuals acquire a skillset that complements their natural talents to equip them to either excel in one theatrical area or have a portfolio career which may involve a balance between performing, administering, teaching and other related areas.

Contact Information
The Administrator,
CIT Cork School of Music,
Union Quay, Cork.
T: 021 487 7307
E: 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?
A postgraduate teaching qualification is required.

Where can I obtain information about the Audition/ Assessment?
Further details and an assessment information pack are available from 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, 18th - 20th April, 2013.





CIT Cork School of Music MASTER CHART

									MINIMUM ENTRY REQUIREMENTS					INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT			
Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Cert Step-off Available	No. of 1st Year Places	Round 1 Points 2011	Final Points 2011	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 795	Leaving Cert & Music Exam 795	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2/3/4)			✔	✔
CR 125 CR 126 CR 127 CR 128 CR 129	Popular Music: Electric Bass Guitar* Popular Music: Drums* Popular Music: Electric Guitar* Popular Music: Keyboards* Popular Music: Voice*	171	Honours Bachelor Degree	4		30 (6 in each area)	Leaving Cert & Music Exam New Course	Leaving Cert & Music Exam New Course	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 700	Theatre & Drama Studies*	173	Honours Bachelor Degree	4		20	Leaving Cert & Assessment Exam New Course	Leaving Cert & Assessment Exam New Course	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 2012 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 Applied Art (Ceramics)
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 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.

It comprises of four distinct departments as follows:

The Department of Fine Art & Ceramic Design, and the Department of Art & Design Education are based at the Sharman Crawford Street campus, offering programmes in Fine Art, Applied Art (Ceramics), and Art Education.

The Department of Media Communications, offering programmes in Visual Communications, Multimedia, Journalism, 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.



Cork has a long and distinguished connection to the visual arts, with many artists and designers living and working in Cork city and county. Many of these artists and designers are graduates of CCAD who have sustained links to the College. There are a number of very 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. The 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 and students of the CCAD, make the city a very vibrant artistic community.

CCAD graduates are among Ireland's top artists and art teachers. Studying at the CCAD is a challenging and rewarding experience, which we hope you will enjoy.

CCAD also has its own exhibition space at Wandesford Quay 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 Applied Art (Ceramics) @ Sharman Crawford Street

The BA (Honours) in Fine Art, and Applied Art (Ceramics), 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

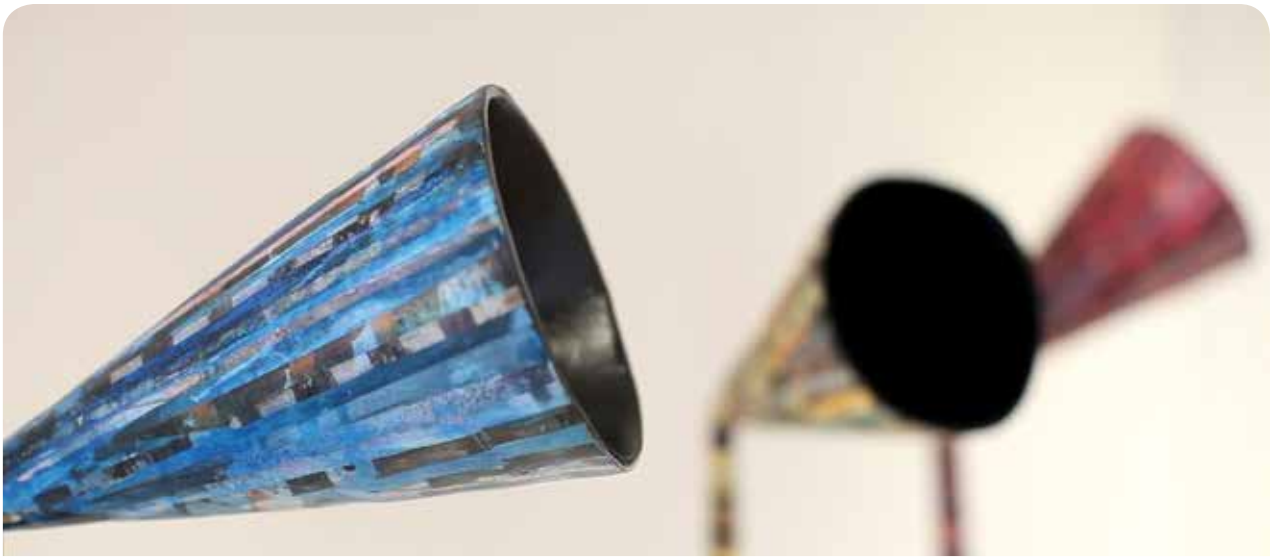
CCAD offers an extensive range of Postgraduate Programmes:

- 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 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 Applied Art (Ceramics) 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 Communication 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 Applied Art (Ceramics) 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 Applied Art (Ceramics) 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 Applied Art (Ceramics) 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
Portfolio Guidelines: http://ccad.cit.ie/portfolio







Applied Art (Ceramics) (Honours)

CR 210 Level 8 Award

>> Progression to Postgraduate Programmes



Application: CAO
Award Title: Bachelor of Arts (Honours) in Applied Art (Ceramics)
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 2011: **Round 1:** 650 / **Final:** 650

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.

myCIT myCourse

"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

What is Applied Art (Ceramics)?

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.



www.cit.ie/course/CR210

Potential Areas of Employment

- Exhibiting Artist/Designer of unique artifacts
- Gallery/Museum Professional e.g. Curator
- Educator – requires further postgraduate study



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 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

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: trish.brennan@cit.ie

Question Time
Besides pottery, what other medium will I use on the course?
Students will explore many materials in the making of objects.

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.



myCIT
myCareer



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.



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 2011: **Round 1:** 700 / **Final:** 700

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.

myCIT 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

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



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

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: trish.brennan@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.



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 2011: **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	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



myCIT
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



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

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

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

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 am now 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."



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 2011: **Round 1:** 550 / **Final:** 550

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.

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 Lougheed

What is Visual Communications?

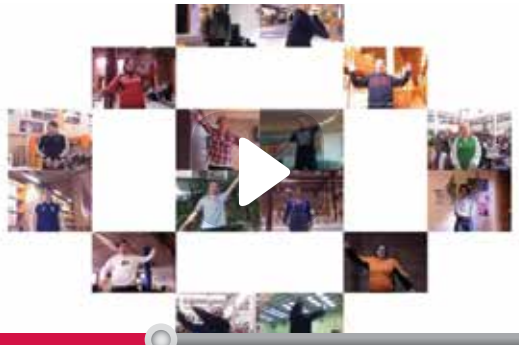
Visual Communications in part or whole relies on vision and is primarily presented or expressed with two dimensional images. It presents the idea that a graphic message has the power to inform, educate, or persuade a person or audience.

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



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.

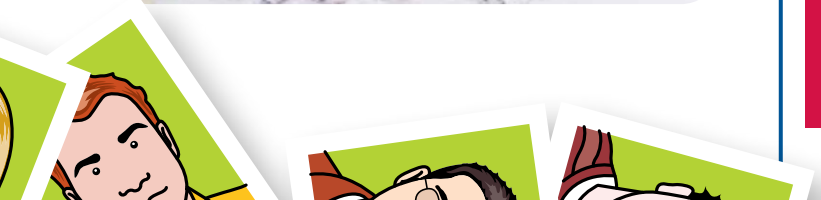
This course contains academic components, which are designed to develop the students' knowledge and understanding of their chosen area of specialisation. Through the writing of a thesis, students learn the skills of academic research, argument construction, written communication and presentation, which 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

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





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

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."

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 2011	Final Points 2011	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	Applied Art (Ceramics)*	181	Honours Bachelor Degree	4		15	Leaving Cert & Portfolio 650	Leaving Cert & Portfolio 650	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2)			✔	✔
CR 600	Visual Communications*	187	Honours Bachelor Degree	4		40	Leaving Cert & Portfolio 550	Leaving Cert & Portfolio 550	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2)			✔	✔
CR112	Multimedia	185	Honours Bachelor Degree	4		20	390	390	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 220	Fine Art *	183	Honours Bachelor Degree	4		70	Leaving Cert & Portfolio 700	Leaving Cert & Portfolio 700	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 for details on portfolio requirements for CR 210, CR 220 and CR 600.
* Restricted Application / Early Assessment

NOTE: Round 1 Points 2012 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 the "Basics" section at the start 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; 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

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 Applied Art (Ceramics) (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 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.

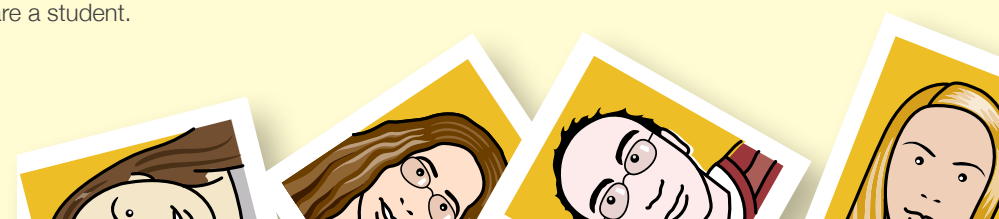
Applicants for the following courses should contact the relevant Department for information concerning application procedures and closing dates:

- 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 5037/5041
E: 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 (HL) Mathematics.

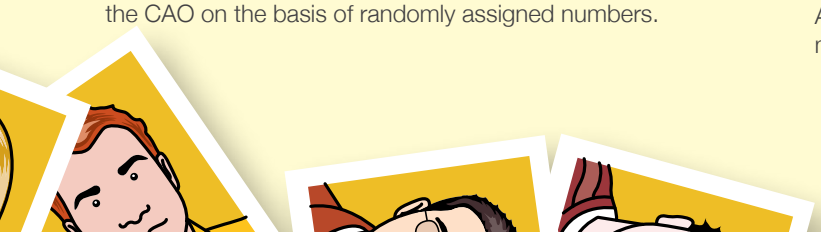
Time scale
The scheme was introduced for a four year pilot period commencing Leaving Certificate 2012 and will be reviewed in 2014.

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
BA (Honours) in Applied Art (Ceramics) 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
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 (provisionally scheduled for 20th April 2013). 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. For further information please contact the Administrator at the CSM and check the CIT website at www.cit.ie.

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 (provisionally scheduled for Thursday to Saturday, 18th - 20th April, 2013). 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. For further information please contact the Administrator at the CSM and check the CIT website at www.cit.ie.

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 (provisionally scheduled for Thursday to Saturday, 18th - 20th April, 2013). 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.

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 the "Basics" section at the front of 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. Mature students should fill out the appropriate section of the CAO Application Form. Such applicants may not be required to have the minimum entry requirements. Relevant work experience, skills gained through experiential learning and other qualifications will be considered in the assessment of these applications. Mature Students may not submit a late application.

Applications from Mature Students must be made to the CAO before the 1st February.

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.

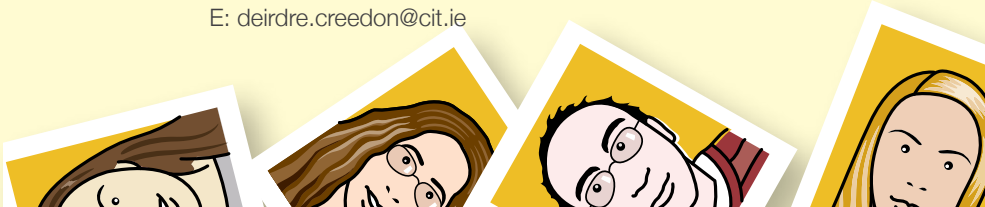
Supporting Access

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.

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.

Contact
Louise Bermingham
Projects Officer
T: 021 433 5139
E: louise.bermingham@cit.ie

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
Mature Student Officer, Sinéad O'Neill
T: 021 433 5109
or
Access Officer, Deirdre Creedon
021 433 5140 or

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 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.**

When making an application through the CAO, Mature Students can apply under 3 categories:
1. Leaving Certificate results and/or
2. FETAC results and/or
3. Mature Student

Assessment will be based on the strongest of these three categories. 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.

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 Learning Support 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.

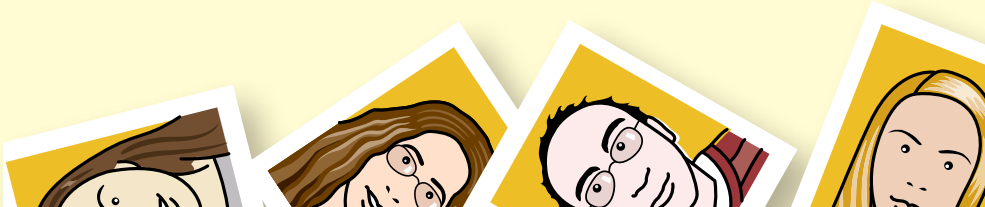
Financial Supports
Taking up full-time education impacts considerably on various aspects of a person's life. One of the most important things to consider when planning on taking up full-time education is the financial implications on your life. It is strongly advised that you research the cost implications e.g. fees and the various types of financial supports that are available to students. See www.studentfinance.ie 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 can guide you through assessing your eligibility. The official decision on eligibility for a grant is made by the grant-awarding bodies.

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.

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.



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 has been set up 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.

Who should apply to DARE?
DARE is for school leavers (under 23 years old as at January 1st 2013) 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 2013.**
2. No later than **5.15pm on 1st March 2013**, 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 **5.15pm on 1st March 2013**.
3. Instructions will be given about the completion and return of Sections B and C of the SIF to arrive at CAO by **5.15pm on 1st April 2013.**

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
W: www.cit.ie/access_disability
W: www.accesscollege.ie
W: 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. In an award year of a programme, RPL may only be used for 35 % of the stage – this is usually 20 out of the 60 credits through RPL.

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

Important Dates
These will be posted on www.cit.ie/rpl. In general:

For Semester 1 you should register your RPL application by the beginning of September and your completed application must be received by mid-October.

For Semester 2 you should 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

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

Grading of FETAC Awards in the CAO

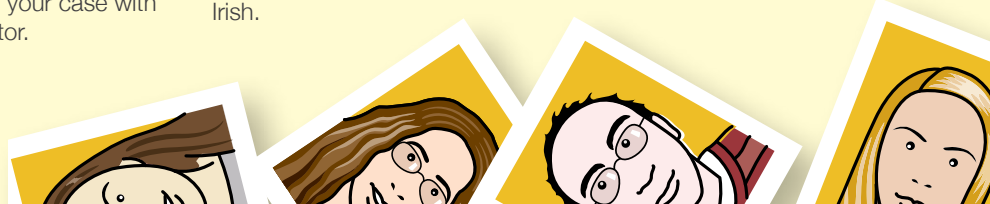
FETAC operates within the National Framework of Qualifications (NFQ), and its awards have been placed at Level 5 or Level 6 of the framework as appropriate. Holders of FETAC awards at Level 5 of the NFQ should apply through the CAO system. Points will be allocated and will be used to place applicants in order, in the same rounds of CAO offers as Leaving Certificate applicants. Applicants must present a full award containing 8 modules. This full award may be accumulated over more than one academic year.

An overall CAO point score is calculated based on results in the best 8 modules presented. Each Level 5 module with a FETAC credit value of 1 is scored as follows:
Pass: 20 points; Merit: 35 points; Distinction: 50 points
(Scores are adjusted for any modules with a FETAC credit value other than 1).

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

Bachelor Degrees (Level 7)
The current minimum entry standard for Leaving Certificate applicants to a Level 7 Bachelor Degree course is a D3 ordinary grade in 5 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 with 8 modules passed (this gives a minimum of 160 points).

The requirement for English or Irish may be met by either D3 ordinary grade in the Leaving Certificate or a pass on a FETAC Communications module (Level 5 or higher).

The requirement for Mathematics may be met by D3 ordinary grade in the Leaving Certificate or a pass on a FETAC Mathematics module (Level 5 or higher).

NB: Certain courses may have specific minimum standards that are different to the above.

Honours Bachelor Degrees (Level 8)
The minimum entry standard for Leaving Certificate applicants to Honours Degree programmes is generally a pass in 6 Leaving Certificate subjects with two higher C3 grades and four D3 ordinary 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 with 8 modules including a distinction in 3 modules.

The D3 ordinary grade Leaving Certificate requirement for English or Irish may be met by a pass on a FETAC Communications module (Level 5 or higher).

The D3 ordinary grade Leaving Certificate requirement for Mathematics may be met by a pass on a FETAC Mathematics module (Level 5 or higher).

NB: Certain courses have specific minimum standards specified that are different to the above. In particular, 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:
- Applied Art (Ceramics) 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). This arrangement is under review and FETAC applicants to the above courses should check with the Institute's website, or with the Admissions Office.

Information on FETAC Courses can be attained from: www.fetac.ie.

Cork Further Education Colleges
Cork College of Commerce
Coláiste Stiofáin Naofa
CityNorth College of Further Education
St John's Central College

See also 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 web link http://www.cit.ie/prospectivestudents/ccps/

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 FE College will then forward the completed applications (reference and results) to the CIT Admissions Office by the 31st May.

The minimum requirement for Year 1 entry onto programmes in CIT is a full FETAC Level 5 Award with 5 merits.

The minimum requirement for Year 2 entry is successful completion of your full FETAC Level 6 Award with 5 merits. 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 the 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 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.

Institutes of Technology Central Evaluation Forum (IOTCEF)
The purpose of the Institutes of Technology Central Evaluation Forum (IOTCEF) is to provide an open and transparent central scoring system for:

- Applicants presenting European school leaving qualifications (outside the Republic of Ireland, Northern Ireland, England, and Wales)
- Applicants from outside the EU
- Applicants from both within and outside the EU whose first language is not English.

Details of the IOTCEF are available at:
http://www.cao.ie/index.php?page=scoring&s=iotcef

It must be borne in mind that each Institute of Technology is a separate admitting authority. CIT therefore reserves the right to accept or not accept a recommendation from IOTCEF.

Please note: where courses have specific entry requirements these must be satisfied before an institution will award a place. All foreign applicants who have been offered places will be required to satisfy all the normal legal requirements (as laid down by the Department of Justice, Equality and Law Reform and the Department of Foreign Affairs) to gain access to education in this country, before acceptance and registration requirements can be brought to a conclusion.

Applicants must apply through the CAO system. Complete information on this is available in the CAO Handbook issued each year and is also available on the CAO website at: www.cao.ie

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

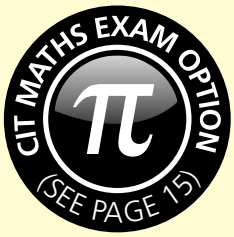
Most (but not all) CAO courses in CIT require Mathematics. A pass in Foundation Level Mathematics does not satisfy the entry requirements in regard to Mathematics. There are two exceptions to this rule, CR 655 Culinary Studies and CR 657 Hospitality Studies, the requirement for D3 (O) Mathematics may 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. See Page 15 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.

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 2012/2013 is €2,250)

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. 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. 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 2011/12 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/Registrations
T: 021 433 5037/5043
E: admissions@cit.ie

Examinations
T: 021 433 5383/5385
E: exams@cit.ie

Course Fees
T: 021 433 5446/5448/5449
E: fees@cit.ie

Grants
T: 021 433 5442

Prospectus Request
E: prospectus.request@cit.ie

Sports Bursaries and Scholarships

For information, please see the Student Life section at the front of this Handbook.





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CONTACT INFORMATION

Bishopstown Campus	(021)
Main Switchboard	432 6100
Admissions	433 5042
Accounts Office	433 5361
Examinations	433 5383/5385
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
Schools Liaison Office	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
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Social & General Studies	433 5310
Tourism & Hospitality Studies	433 5820

CIT CORK SCHOOL OF MUSIC	480 7300
CIT CRAWFORD COLLEGE OF ART & DESIGN	433 5200
NATIONAL MARITIME COLLEGE OF IRELAND	497 0600

W: http://www.cit.ie
W: http://modules.cit.ie
Admissions E: admissions@cit.ie

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CIT CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

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

EUROPEAN UNION STRUCTURAL FUNDS
Ireland's EU Structural Funds Programmes 2007 - 2013
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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.

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your **views**

Feedback on this Handbook is very welcome.

Please contact:
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Cork Institute of Technology
T: 021 433 5396
E: schoolsliaison@cit.ie





CIT OPEN DAY

FRIDAY 16TH NOV 11AM - 3PM
SATURDAY 17TH NOV 10AM - 2PM

WWW.CIT.IE/OPENDAY

www.cit.ie

INCLUDES
2012 CAO POINTS

CIT CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

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Ireland's EU Structural Funds Programmes 2007 - 2013
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EUROPEAN UNION STRUCTURAL FUNDS