CIT CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

COURSE HANDBOOK 2015

www.cit.ie

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

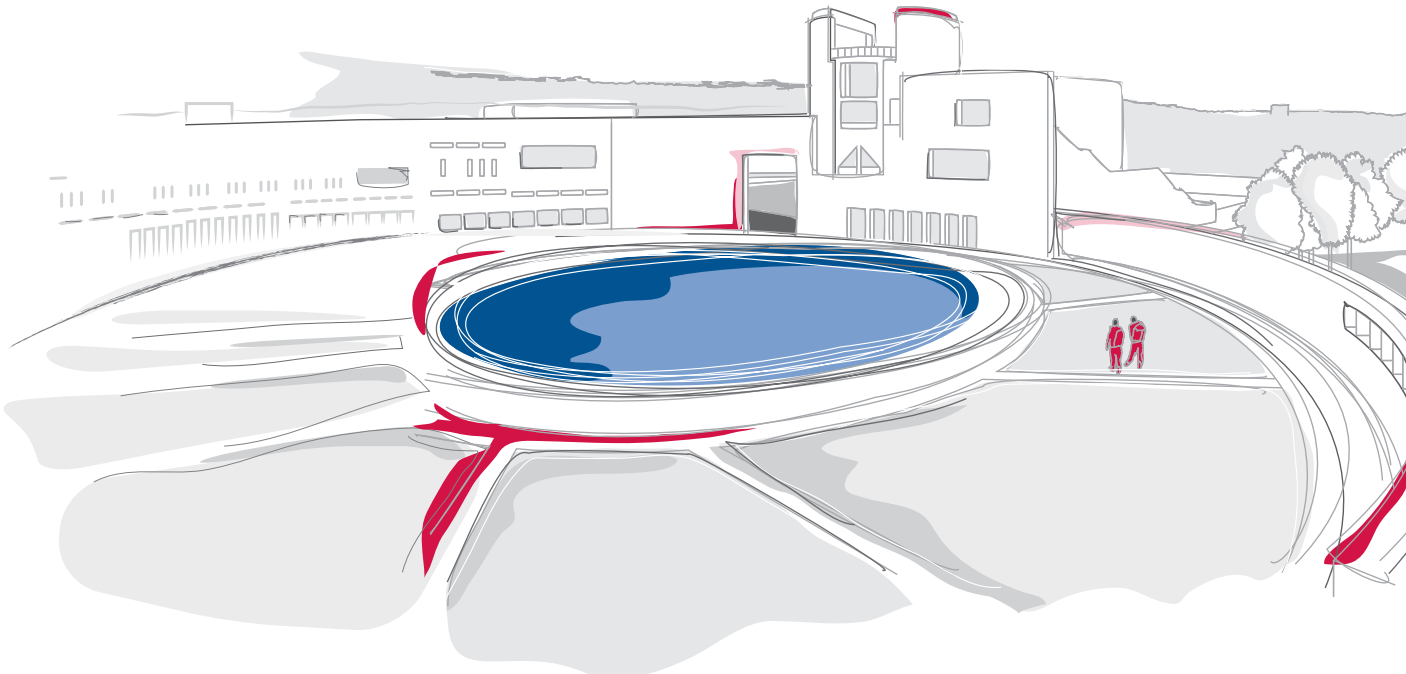
Get the inside story by watching the latest set of video clips… check out www.youtube.com/CIT

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 12.

NEW CAO COURSE (LEVEL 8)

- CR 425 International Business with Language

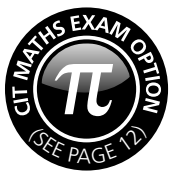


CAO COURSES
AT CORK INSTITUTE OF TECHNOLOGY

CAO HONOURS DEGREE (LEVEL 8) LIST

CAO CODE	HONOURS BACHELOR DEGREES (LEVEL 8)	ROUND 1 POINTS 2014	PAGE
CR 105	Chemical and Biopharmaceutical Engineering	410	85
CR 106	Software Development	320	143
CR 108	Mechanical Engineering	395	93
CR 109	Structural Engineering	495	59
CR 112	Multimedia	355	177
CR 116	Software Development and Computer Networking	315	145
CR 121	Music (at CIT Cork School of Music)*	855	161
CR 125	Popular Music: Electric Bass Guitar (at CIT Cork School of Music)*	675	163
CR 126	Popular Music: Drums (at CIT Cork School of Music)*	770	163
CR 127	Popular Music: Electric Guitar (at CIT Cork School of Music)*	955	163
CR 128	Popular Music: Keyboards (at CIT Cork School of Music)*	850	163
CR 129	Popular Music: Voice (at CIT Cork School of Music)*	880	163
CR 150	Business Information Systems	375	23
CR 210	Contemporary Applied Art (Ceramics, Glass, Textiles) (at CIT Crawford College of Art & Design)*	625	173
CR 220	Fine Art (at CIT Crawford College of Art & Design)*	400	175
CR 305	Physical Sciences (Common Entry)	310	121
CR 310	IT Management	310	147
CR 312	Web Development	300	149
CR 320	Biomedical Science (Joint CIT/UCC)	520	135
CR 325	Pharmaceutical Biotechnology	340	141
CR 330	Herbal Science	325	137
CR 333	Nutrition & Health Science	365	139
CR 340	Analytical Chemistry with Quality Assurance	340	123
CR 360	Instrument Engineering	340	127
CR 365	Environmental Science & Sustainable Technology	275	129
CR 400	Accounting	310	19
CR 420	Marketing	285	15
CR 425	International Business with Language	New Course	53
CR 500	Engineering (Common Entry)	350	57
CR 510	Sustainable Energy Engineering	300	87
CR 520	Biomedical Engineering	410	97
CR 560	Architectural Technology	285	73
CR 565	Interior Architecture	280	77
CR 570	Quantity Surveying	280	67
CR 572	Construction Management	240	65
CR 580	Electrical Engineering	300	105
CR 590	Electronic Engineering	305	101
CR 600	Visual Communications*	450	179
CR 660	Tourism	280	31
CR 700	Theatre & Drama Studies (at CIT Cork School of Music)*	735	165
CK 606	Architecture (Joint CIT/UCC)	420	71

* Restricted Application/Early Assessment Procedures



Some students who apply to CIT courses may not achieve the required entry standard in Mathematics through the Leaving Certificate. For such applicants, CIT offers a second chance to reach the required entry standard through a CIT Mathematics Exam. In order to avail of the CIT Mathematics Examination, students **MUST APPLY ONLINE** (http://www.cit.ie/maths) by 12 noon on Monday, 17th August 2015.

CAO Courses

at Cork Institute of Technology

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

CAO CODE	BACHELOR DEGREES (LEVEL 7)	FOLLOW-ON COURSES AT CIT	ROUND 1 POINTS 2014	PAGE
CR 001	Applied Physics & Instrumentation ▲	BSc (Honours) Degree	280	131
CR 006	Applied Biosciences ▲ Degree Award options: Food & Health Science or Applied Biosciences and Biotechnology	BSc (Honours) Degree	280	133
CR 007	Analytical & Pharmaceutical Chemistry ▲	BSc (Honours) Degree	270	125
CR 010	Agriculture ▲	BSc (Honours) Degree	350	27
CR 011	Horticulture	BSc (Honours) Degree	180	29
CR 016	Computing ▲	BSc (Honours) Degree	300	151
CR 021	Business Studies ▲ Degree Award options: Accounting or Business & Management or Marketing	BBus (Honours) Degree	275	17
CR 022	Business Administration ▲ Degree Award options: Business Administration or Business & Management or Marketing	BBus (Honours) Degree	240	25
CR 023	Accounting ▲	BBus (Honours) Degree	310	21
CR 031	Social Care	BA (Honours) Degree	365	45
CR 032	Recreation & Leisure Management ▲	BBus (Honours) Degree	320	49
CR 041	Tourism ▲	BBus (Honours) Degree	250	33
CR 042	Hospitality Management ▲	BBus (Honours) Degree	250	35
CR 046	Transport Management & Technology ▲	BSc (Honours) Degree	210	91
CR 051	Civil Engineering ▲	BEng (Honours) Degree	220	61
CR 052	Construction ▲ Degree Award options: Construction Management or Quantity Surveying	BSc (Honours) Degree	210	69
CR 053	Interior Architecture	BSc (Honours) Degree	215	79
CR 055	Environmental Engineering		235	63
CR 061	Electronic Engineering ▲	BEng (Honours) Degree	215	103
CR 062	Electrical Engineering ▲	BEng (Honours) Degree	210	107
CR 071	Mechanical Engineering ▲	BEng/BSc (Honours) Degree	260	95
CR 072	Building Services Engineering ▲	BEng/BSc (Honours) Degree	215	89
CR 075	Biomedical Engineering ▲	BEng/BSc (Honours) Degree	300	99
CR 077	Craft Technology (Wood) with Business		215	81
CR 078	Craft Technology - Mechanical Services		215	83
CR 090	Architectural Technology	BSc (Honours) Degree	245	75
CR 094	Nautical Science (at NMCI)	BSc (Honours) Degree Ship's Master Level	310	113
CR 095	Marine Engineering (at NMCI)	Chief Engineer Level	270	115
CR 300	Physical Sciences (Common Entry)	BSc (Honours) Degree	315	121
CR 620	Early Years Education	BA (Honours) Degree	370	47
CR 640	Culinary Arts	BBus (Honours) Degree	310	37
CR 650	Bar Management	BBus (Honours) Degree	250	39
CR 805	Marine Electrotechnolgy (at NMCI)		220	117
CR 888	Information Technology Support ▲	BSc (Honours) Degree	260	153

CAO CODE	HIGHER CERTIFICATE (LEVEL 6)	FOLLOW-ON COURSES AT CIT		
CR 655	Culinary Studies	BBus/BA Degree > BBus (Honours) Degree	230	41
CR 657	Hospitality Studies	BBus Degree > BBus (Honours) Degree	200	43

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

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

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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 21 — **NMCI Open Day**
→ 21st October 2014, Ringaskiddy
Further information available on www.nmci.ie

NOV 6 — **CIT Information Day for Guidance Counsellors**
→ 6th November 2014

NOV 21 — **CIT Open Day**
→ 21st November 2014, Bishopstown Campus

NOV 21/22 — **CIT Crawford College of Art & Design Open Day**
→ 21st & 22nd November 2014, Sharman Crawford St.

NOV 22 — **CIT Cork School of Music Open Day**
→ 22nd November 2014, Union Quay, Cork

FEB 1 — **CAO Closing Date**
→ 1st February 2015

APR 17/18 — **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)
→ 17th/18th April 2015 (Provisional)

APR 18 — **CIT Cork School of Music**
BMus Honours Degree Entrance Exam
→ 18th April 2015 (Provisional) (CR 121)

APR 30 — **Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition**
→ 30th April 2015 (Provisional)

MAY 1 — **CAO Late Applications**
→ 1st May 2015

JUL 1 — **CAO Change of Mind**
→ 1st July 2015

AUG 18 — **CIT Mathematics Exam**
→ 18th August 2015 (Provisional)

SEP 7 — **Registration of First Year Students 2015 – 2016**
→ Week commencing 7th September 2015

SEP 14 — **Start of Semester 1 2015 – 2016**
→ 14th September 2015

GOVERNING BODY

Mr Bob Savage, Chairman
Dr Brendan J Murphy, President, CIT
Mr James A Corr
Ms Catherine Clancy
Mr Ted Owens
Mr Barra Ó Briain
Cllr Mary Hegarty
Rt Rev Canon G.A. Salter
Dr Áine Ní Shé
Mr John O'Sullivan
Mr Eoin Deane
Mr Danny O'Donovan*
Ms Ciara O'Connor*
Ms Ann Piggott
Ms Mary Keane
Mr Billy O'Neill
Mr Jim Woulfe
Mr Mark Whitaker
*until September 2014

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STUDENT LIFE

CORK INSTITUTE OF TECHNOLOGY

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 Department of Fine Art & Applied Art based at the Sharman Crawford Street campus offers Honours Degree programmes in Fine Art, and Contemporary Applied Art (Ceramics, Glass, Textiles). The Department of Media Communications based at CIT Bishopstown campus offers Honour Degree programmes in Multimedia and Visual Communications. 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 and includes Degree programmes in Nautical Science, Marine Engineering, and Marine Electrotechnology. 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
- Bistro
- 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: €85
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: €85
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 Ensuite 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.

CAREERS AND COUNSELLING SERVICE

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

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

HEALTH SERVICES

The Medical Centre, situated in the Student Centre on the Bishopstown Campus is open Monday to Thursday: 8.30am - 5.00pm and Friday: 8.30am - 4.00pm.

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

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

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

Secretary: Marian Walsh, T: 021 433 5780 for appointments and other queries.

REPROGRAPHICS & CARD SERVICES

Situated in the Student Centre, the Reprographics & Card Services 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. Students may obtain their CIT Smart Card here which is the primary form of campus identification, and it also acts as a personal electronic purse within the Institute.

CHAPLAINCY/STUDENT SUPPORT TEAM

Chaplaincy is a dynamic presence at CIT, accompanying both students and staff on their life journey. We are open to people of all faiths and cultures and none. The chaplaincy extends a warm welcome to both students and staff and assure you of our presence and support, especially in times of bereavement, illness and during the anxious moments that we all experience from time to time.

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

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

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

STUDENTS' UNION

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

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

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

www.citsu.ie

THE ARTS

http://arts.cit.ie/

The arts scene throughout the Institute is supported by fulltime 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.

Society Award Winners: Best Event: *Dance Intervarsities 2014, Dance Society*

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 2013/2014, there were 42 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 more people by getting involved in your academic related Society. Societies in CIT are some of the best Societies in Ireland frequently winning at the BICS (Board of Irish College Societies) National 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. To be elected as a Society committee officer is a huge bonus for your CV by providing an opportunity to develop your communication and team work skills.

Societies Website
For up to date information, check out http://societies.cit.ie or find us at CITsocieties on Facebook and Twitter.

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

Volunteer Abroad
Since 2010 the Societies Office has been proud to support students who have chosen to experience volunteering abroad for a number of weeks during the summer break. In the past 4 years, 57 students were presented with Scholarships and Bursaries to help fund their contribution to voluntary participation abroad.

Contact
Societies Office
T: 021 433 5759

ALUMNI ASSOCIATION

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

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

"CIT Alumni Association Facebook"

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

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

To stay in touch with CIT, please update your contact details at www.cit.ie/alumni

SPORTS

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

Sport in CIT is supported by:
- Sports Officer
- Acting Sports Officer
- Sports and Societies Administrator
- GAA Development Officer
- Soccer Facilitator
- Rugby Facilitator
- Gym Supervisors
- Sports Hall Coordinator

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

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

CIT participates at the highest level of competition amongst the country's third-level institutions and is a member of "Student Sport Ireland" (SSI). SSI 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 (Athletics), Powerlifting Intervarsities, GOAL Mile, Munster and All-Ireland Schools & Universities Cross Country Championships. CIT provides training facilities for a number of teams including the Cork Senior Hurlers and Footballers, Cork Ladies Footballers, Cork Development Squads, and Munster Rugby.

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 Aerotone, Circuit Training, Indoor Cycling, Pilates, and Yoga. March 2014 saw the second mass participation event organised by the Sports Office, students and staff took part in a Fun 5km Run & Walk. The event again proved a great success and is now an annual event.

Michael Fennelly, Kilkenny Senior Hurler, was awarded Graduate of the Year at the annual CIT Sports Awards

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 that houses a 625m^2 gym area along with video analysis rooms, squad meeting rooms, physio treatment rooms, dressing rooms, offices, and a recreation area.
- Three full size Soccer Pitches
- Two Rugby Pitches
- Two GAA Pitches
- A floodlit full size Astro-Turf Pitch
- A synthetic surfaced floodlit Tennis Court

Leisure World is located off the main CIT Bishopstown Campus and holds two swimming pools and a gym. Special student discounts apply for use of the pool.

CIT Sports Scholarship recipients Lauren Falvey, Basketball; Rachel O'Shea, Athletics; Declan Cahill, Basketball; Shane O'Driscoll, Rowing; Mark O'Leary, Basketball; Gary O'Donovan, Rowing; Gillian Hosford, Rowing; Amy Waters, Basketball; and Donal Óg Hodnett, GAA; at the launch of the CIT Sports Scholarships 2013-2014.

SPORTS SCHOLARSHIPS

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

For the 2013/2014 academic year, 94 Sports Scholarships were presented by Guest Speaker, CIT graduate and All-Ireland winning captain, Cork Senior Footballer Graham Canty. Both male and female athletes from 15 different sports were recipients. These Scholarships are awarded to students who display high achievement levels, commitment and dedication to their chosen sport and very importantly, loyalty to that sport within the Institute.

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

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

SPORTS SCHOLARSHIPS AWARDED IN THE ACADEMIC YEAR 2013/2014

- 72 CIT Sports Scholarships (35 Freshers/Development and 37 Senior) for Athletics, Basketball, Camogie, Cycling, Football, Golf, Hockey, Horseracing, Hurling, Powerlifting, Rowing, Rugby, Sailing, Soccer and Tae Kwon Do.
- 14 Munster Council GAA Scholarships;
- 7 CIT/Munster Rugby Scholarships;
- 1 Cork Women's F.C. Soccer Scholarship.

Applicants must have enrolled on a full time academic course at CIT before applying for a Sports Scholarship. Application forms are available in mid-August, by contacting the Sports Office T: 021 433 5767 or E: miriam.deasy@cit.ie or norma.buckley@cit.ie

Closing date for applications 5pm, 1st October.

CIT SPORTING SUCCESS

In the 2013/2014 academic year, the Institute had a number of outstanding achievements including:

ATHLETICS	→ Munster Colleges Road Relays: Men's Team placed 3rd. Placed 10th overall at the IUAA Road relays. Men's Team finished 1st at the Munster Colleges XC. 7th Best Overall College at the IUAA XC.
BASKETBALL	→ Men's Senior Team won the Intervarsities All-Ireland final and two players collected All Stars. Ladies Basketball Senior Team was All-Ireland League Finalists.
BOXING	→ Michael O'Donoghue was crowned 75kgs Intervarsities Champion. Ashley Fitzpatrick also won her competition in the 78kgs category at Intervarsities.
CAMOGIE	→ Won Purcell Shield against NUIM on a score line of 0.10-1.06.
EQUESTRIAN	→ Tetrathlon results: 1st Team – 18th, 2nd Team 19th, and Jason Carmody 18th Overall.
FOOTBALL (LADIES)	→ Reached Semi-Final of the League, beaten by a strong UCD side on the day and reaching the Lynch Cup Final, defeated on the day by 1 point to St Patrick's, Dublin
FOOTBALL (MEN'S)	→ Senior Team reached the Quarter final of Sigerson Cup.
HOCKEY	→ Intervarsity Plate finalists but unfortunately lost out on penalty strokes. Women's Team finished 5th Overall. Mixed Team won the IUCHA Mixed Intervarsity Cup for the 3rd time in 4 years. Three players were selected on the Irish Colleges Team.
HURLING	→ Out of the 4 Championship Teams entered, 3 made it to their subsequent Finals, with the Intermediates capturing the All-Ireland. Freshers 2's lost by a point on the day and Senior Hurlers made it to the Fitzgibbon Final, defeating defending champions UCC along the way but narrowly losing out to WIT on the day.
KARTING	→ The CIT 'A' Team finished 2nd and CIT 'B' Team finished 5th in the Team Championships run over the course of the year. Drivers' Championship CIT members finished 4th, 5th, 8th, 10th, and 11th.
KAYAK	→ Johann Olivier finished first in Freestyle Competition at this year's Intervarsities with Eoin O'Callaghan coming in 7th and John O'Beu finishing 10th. CIT finished 11th overall.
KICKBOXING	→ Three students made it to Round 32 in their divisions. Two students made it to Round 8 of their divisions.
POOL	→ A Team: Last 16 out of 33 teams at Intervarsities. Got to last 16 of Intermediate Championship. 2 CIT Players in last 32 of Singles Competition out of 170.
POWERLIFTING	→ Won John West Shield at Intervarsities. Individual ranking at National and International Events. Multiple Gold, Silver and Bronze Medals. Part of the Irish Team that won Best Nation at the World Powers 2013.
RACQUETBALL	→ 2nd Overall in Intervarsities and won 3 Gold, 3 Silver and 2 Bronze. Doubles Winner in Ballinrobe Open, Galway Open, and Wexford Open. All-Ireland Doubles Silver. Player selected for the Irish Senior Team.
ROCK-CLIMBING	→ Linda Smenko placed 4th at the Rock Climbing Intervarsities.
ROWING	→ Bronze Medal at Irish Indoor Championships. Two wins at Muckross Head of the River. CIT Athletes gaining selection for Irish Team from trial results.
RUGBY (LADIES)	→ Division 2 All-Ireland Champions
RUGBY (MEN'S)	→ Seniors qualified from Division 1 into the All-Ireland Semi-Final.
SAILING	→ Placed 4th in Varsities (Team Racing Nationals), 5th Place Match Racing. Won the "Monkstown Bay Spring Open".
SOCCER (MEN'S)	→ CFAI Futsal Regional Stage. College A, B and C sustained positions in their Leagues. MSL, Senior, and Junior ongoing.
TAE KWON DO	→ Club has won a total of 14 Gold Medals, 2 Silver Medals and 8 Bronze Medals across the areas of Patterns, Individual Sparring, and Team Sparring. 8 Members successfully graded to next belt.
TENNIS	→ Intervarsities Bowl Winners for third year running.
VOLLEYBALL	→ CIT Female Volleyball Team won the Plate. Mixed League qualified for Cup Competition.
SURF	→ Men's Open progress to Semi-Final Knock Out, 5th in Overall Competition. Men's Novice progressed to Semi-Final Knock Out, again 5th in Overall Competition. College placed 6th out of 14 Competitors.

John Ereira, Janet Herrythomas, Vaibhav Savant, and Sarang Joshi from India pictured at CIT International Student Day.

INTERNATIONAL LINKS

With over 1,100 international students enrolled from over 125 different countries, CIT's excellence in higher education is recognised worldwide. CIT offers a safe and welcoming environment to international students in addition to providing excellent educational qualifications and the availability of an entrepreneurial environment. 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.

CIT has developed a number of highly strategic relationships in India, China, Canada, Brazil, and Saudi Arabia. The Institute is committed to developing long-term, strategic relationships with educational institutions of high standing to ensure that its students are provided with opportunities to learn and develop in a truly international context. International institutions are attracted by CIT's innovation ecosystem and its ability to develop graduates who are capable of making an immediate impact in industry and business. Over the last 11 years, in excess of 200 new companies have been developed from the CIT campus and these companies currently employ approximately 2,400 people.

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

www.cit.ie/international

ERASMUS

CIT has long been engaged in the development of strong relationships with international institutions in Europe which have provided student exchange opportunities, staff development avenues and research outlets which would otherwise not have been available locally. The Institute has been an active participant in the Erasmus programme since 1987, and holds the Erasmus+ Charter for Higher Education 2014-2020, which facilitates student exchanges and placements with partner universities and enterprises across Europe. Completing an Erasmus study exchange or internship abroad not only adds value to a student's overall CIT experience, but also has the potential to enhance future career opportunities in an increasingly global marketplace.

"Erasmus was a once in a lifetime experience. I travelled to eight different countries, made friends from all over the world, lived in a completely new culture and had the best time that a student could ever dream of." - Jennifer O'Leary, who spent a year at the University of Vienna.

EU Exchange Programmes
Margaret Mulderrig
International Affairs Officer
T: +353 21 432 6689
E: margaret.mulderrig@cit.ie
F: +353 21 433 5301

Non-EU Programmes
Niamh Lynes
International Office Coordinator
T: +353 21 433 5453
E: niamh.lynes@cit.ie

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

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

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

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

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

Postgraduate Research Programmes

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

CIT Rísam PhD Scholarships

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

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.

RESEARCH COMMUNITY

Research and Innovation is one of the three pillars of CIT activity, with an annual expenditure of approximately €18m. We have a community of over 180 research postgraduates and we are involved in research projects with more than 150 companies at any time. Our research mission is to engage in excellent research that has social and economic impact in the region and beyond, creating sustainable employment, attracting and nurturing new businesses and educating a talented pool of innovative researchers. CIT researchers work with a wide range of world class international collaborators in Europe, India, Russia, China and Brazil.

Research activity in CIT is primarily (though not exclusively) organised around four Institute Thematic Research Areas 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 Thematic Research Areas:

Information and Communications Technology research and innovation involves engineers and scientists from electronic engineering and computing. They carry out research in areas of embedded systems, wireless sensor networks, the internet of things, smart cities, high performance computing, and machine learning. Much of the research takes place in the NIMBUS Research Centre building which houses 90 researchers, and has facilities specifically designed 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. (http://nimbus.cit.ie)

Lifesciences and Wellbeing research involves a team of interdisciplinary scientists from the departments of biological sciences, physical sciences, computing, and biomedical engineering. They carry out research in areas of diagnostics, bio-analysis, antimicrobial screening, bioinformatics, peptide engineering, and biomedical engineering (rehabilitation and orthopaedics).

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

Maritime, Energy and Sustainable Environment research is multidisciplinary and includes sustainable infrastructure (buildings and structures), micro-grid control, river, estuarine and coastal engineering, water and waste treatment, maritime safety, security and logistics.

CIT has research activities in **Humanities** (childhood obesity and activity, health interventions for children), Business (entrepreneurship, marketing) and in Creative Arts 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).
- Centre for Advanced Manufacturing and Management Systems (www.camms.ie).

CIT ASSISTS YOU IN YOUR COURSE OF STUDY...

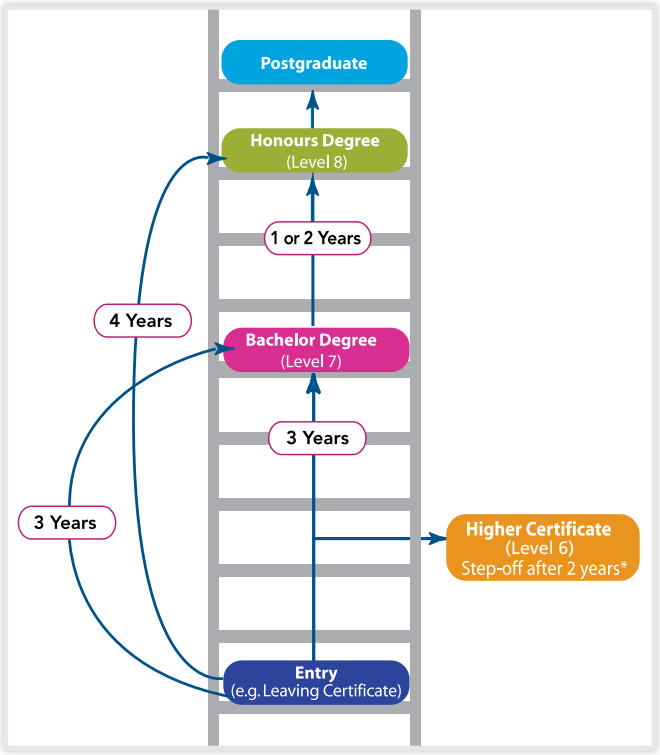
COURSE STRUCTURES AT CIT

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

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

CIT offers 41 **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.



* 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.

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.

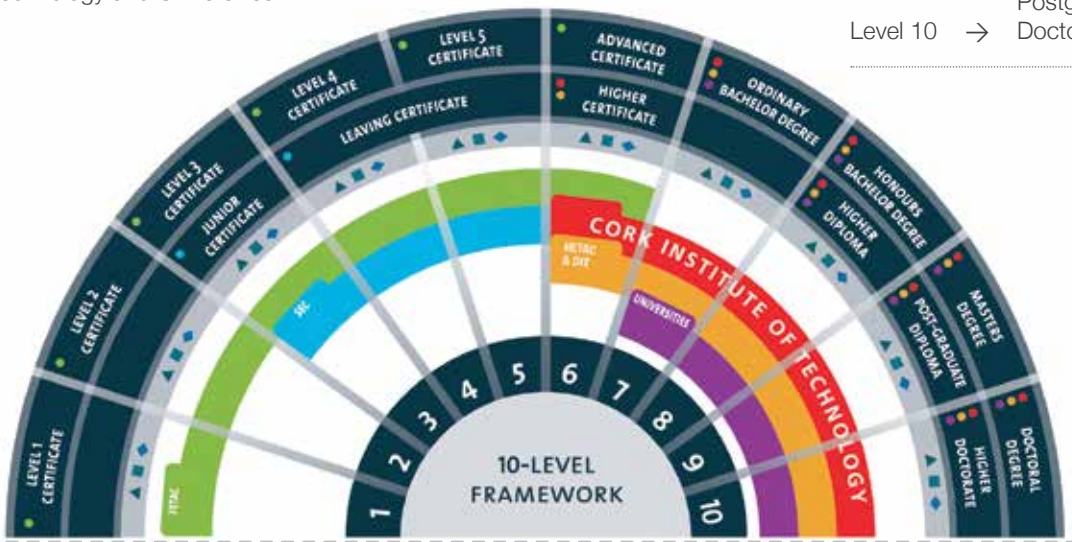
THE NATIONAL FRAMEWORK OF QUALIFICATIONS

Quality and Qualifications Ireland (QQI) is responsible for the external quality assurance of further and higher education and training (including English language provision), and validates programmes and makes awards for certain providers in these sectors. QQI is also responsible for the maintenance, development and review of the National Framework of Qualifications (NFQ).

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)



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

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 (now QQI) awards.

EXCEPTIONS

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

- BEng (Honours) Degree courses – CR 105, CR 108, CR 109, CR 500, and CR 520
- BMus (Honours)* CR 121
- BA (Honours) in Popular Music* CR 125, CR 126, CR 127, CR 128, and CR 129
- BA (Honours) in Theatre & Drama Studies* CR 700
- BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)* CR 210
- BA (Honours) in Fine Art* CR 220
- BA (Honours) in Visual Communications* CR 600
- BSc (Honours) in Architecture 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 Engineering CR 095
- BEng in Marine Electrotechnology CR 805
- BBus (Honours) in Accounting CR 400
- BA in Social Care CR 031
- BBus (Honours) in International Business with Language CR 425
- 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 offers 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 12.00 noon on Monday 17th August 2015.

The CIT Mathematics Examination is provisionally scheduled to take place on Tuesday, 18th August 2015 and is open to all applicants to CIT programmes. A fee will be charged to cover administration costs. In case of over-subscription, CIT reserves the right to restrict the number of candidates for this examination.

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

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

IMPORTANT INFORMATION

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

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

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

CAO points are not awarded for this examination.

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

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

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

BUSINESS & HUMANITIES at a glance

CAO Courses

Level 8

CR 150 BBus (Honours) in Information Systems
CR 400 BBus (Honours) in Accounting
CR 420 BBus (Honours) in Marketing
CR 425 BBus (Honours) in International Business with Language
CR 660 BBus (Honours) in Tourism

Level 7

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

Level 6

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

Follow on Honours Degrees

Level 8

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

Postgraduate Programmes

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

Other Programmes

BA in Community Development
BA (Honours) in Community Development

Accountancy Professional Bodies

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

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

Accounting Exemptions

The professional bodies in the accountancy field are:

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

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, CIT
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, CIT
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
ACCA Ireland,
9 Leeson Park, Dublin 6
T: 01 447 5678
E: info@accaglobal.com
or
Colm Barry-Murphy, CIT
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, CIT
T: 021 433 5134
E: sylvia.dempsey@cit.ie

Irish Tax Institute

The Irish Tax Institute is the leading representative and educational body for Ireland's AITI Chartered Tax Advisers (CTA) and is the only professional body exclusively dedicated to tax. The AITI Chartered Tax Adviser (CTA) programme consists of three parts: each part consists of four subjects and Professional Skills Workshops.

Enquiries
Irish Tax Institute,
Longboat Quay,
Grand Canal Harbour,
Dublin 2
T: 01 6631700

or
AnnMarie Twomey, CIT
T: 021 433 5904
E: annmarie.twomey@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 2013: **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 Marketing?

Marketing is essential to modern day business and life. It is the process of identifying, anticipating and satisfying customer requirements profitably. It is an area which has become even more exciting recently as many companies wonder how to best market in digital environments. Social Media, smart-phones and technology are all playing an important role. As a person-focused role, marketers are equipped with a broad skillset including, research, pricing, communication, branding, and psychology. This has served to make it a very enriching and engaging career choice with marketers acting as the public interface of a company and its products. Areas of specialism include digital marketing, social marketing, fashion marketing, and sports marketing all of which are skills in popular demand.

Helpful Leaving Certificate Subjects

Business, Accounting, Economics.

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- Learn the basic principles of marketing
- Develop skills around selling and sales
- Find out about how marketing can help a business
- Explore business concepts like economics and IT
- Learn a language (French, Spanish or German (optional))
- Find out more about business

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

Those that study marketing have a broad range of careers available to them. Advertising, Promotion, Digital Marketing, Social Media Development, Sales Management, Direct Marketing, Reputation Management, Services Marketing, and International Sales and Management are all areas where our graduates have found solid career opportunities.

Contact Information

Dr Pio Fenton
Department of Marketing & International Business
T: 021 433 5922
E: pio.fenton@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 425	INTERNATIONAL BUSINESS WITH LANGUAGE	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 Level 8 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 2013: **Round 1:** 255 / **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 Business Studies?

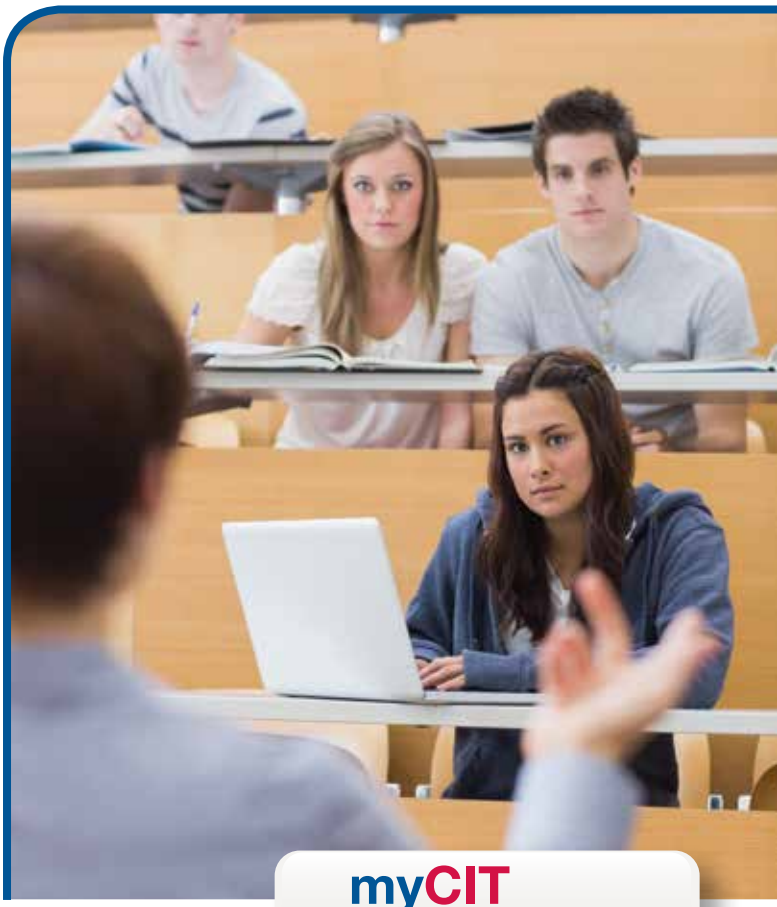
Business brings together Management, Marketing, Accounting, Communications, and applications of Information Technology. Business courses aim to provide a broad business education with many opportunities to specialise. The courses are designed to be employment oriented. They are structured to give an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

Helpful Leaving Certificate Subjects

Accounting, Business, Economics.

Potential Areas of Employment

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



myCIT myCourse

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

First Year at a Glance

- Mathematics: The study of Mathematics supports the later study of Marketing Research and Financial Management
- Information Technology: Development of I.T. skills
- Economics: This gives students an essential understanding of the environment in which businesses operate
- Communication Skills: assists students in the transition to third-level education; team projects, oral & written presentation skills
- Behavioural Science: This acts as a foundation for the subsequent study of Management, Marketing and Human Resource Management
- Financial Accounting: This is the first of a number of Accounting modules offered to students throughout the courses
- It is encouraged that students take a foreign language for the benefits they will derive from it in their careers, however, this is optional

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 (Level 8)
- Bachelor of Business in Business and Management (Level 8)
- Bachelor of Business in Marketing (Level 8)

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 (Level 8)
- BBus (Honours) in Marketing (Level 8)
- BBus (Honours) (Level 8)

A large proportion of graduates progress onto postgraduate studies.The Bachelor of Business Honours degree (Level 8) satisfies the degree requirements of the Teaching Council. As with other recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

Contact Information

Brian McGrath
Department of Management & Enterprise
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Question Time

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

Is there a European language requirement for the course?
No, however, students who pursue French as an elective in Year 1 are expected to have completed a French Course at Leaving Certificate Level.

Will I be at a disadvantage if I did not study Business or Accounting in the Leaving Certificate?
No, the core fundamentals of Accounting and Business are delivered in Year 1.

myCIT myCareer

John Healy
Teacher

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

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

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

myCIT myCareer

Niamh Scally
Brand Manager

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

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

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 2013: **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 (H) or C3 (O)	D3 (O/H)

What is Accounting?

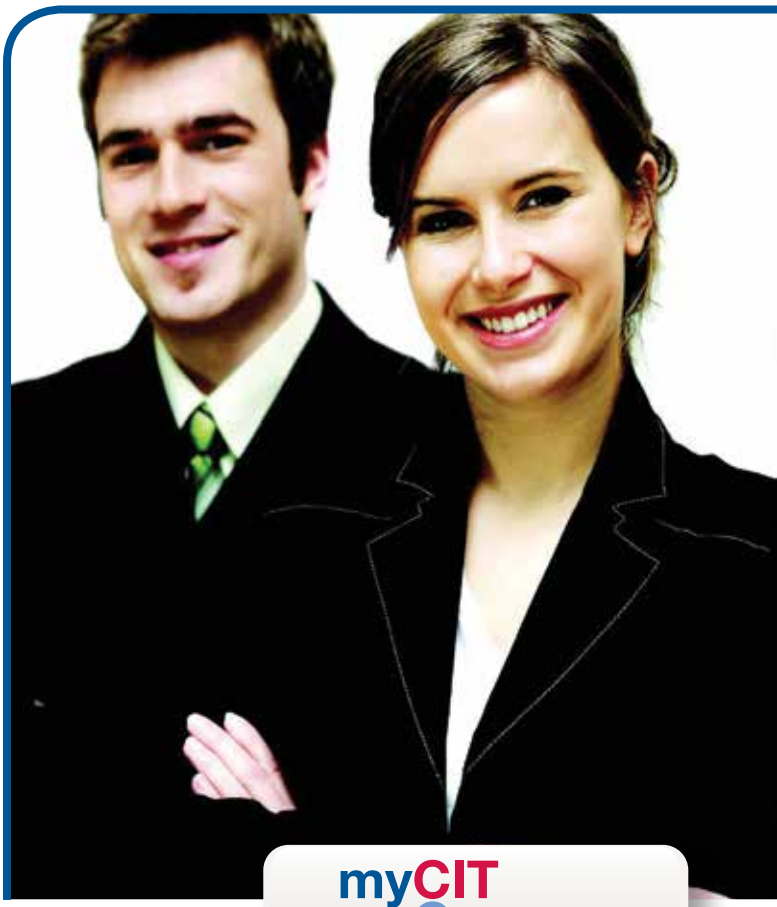
All businesses need to record details of their trading transactions (e.g. sales and purchases) so that they know who owes them money and what money they owe. This information is also used to assess the financial 'health' of the business and to make plans for the future. Accountants are involved in making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

Helpful Leaving Certificate Subjects

Accounting, Business, and Economics.

Potential Areas of Employment

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



myCIT myCourse

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

First Year at a Glance

- Financial Accounting: preparing accounts for business
- Cost & Management Accounting: understanding accounting for projects in industry
- Economics: understand how people use resources
- Law: understanding the legal system and how it affects business in Ireland
- Explore the role of a manager in business
- Understanding the role of marketing a company
- Learn to work with computerised accounts software, e.g. Sage

www.cit.ie/course/CR400

Module Information http://modules.cit.ie/cr400

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

About the Course

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

Further Studies

For details, see www.cit.ie

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

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

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

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

Career Opportunities

Graduates from CIT accounting programmes secure employment within accountancy practices and also as accountants in industry. In practices, graduates work in the "Big 4" accountancy firms (PwC, KPMG, Ernst & Young and Deloitte), and with medium and small accountancy firms. Industry employers include Apple, EMC^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

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Question Time

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

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

Will I receive exemptions from the main professional bodies?

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

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

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

What career options are available other than a professional accountant?

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

myCIT myCareer

David Coughlan
Accountant

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

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

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

Open Day 21 November

Accounting

CR 023 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 280 / **Final:** 280

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Accounting?

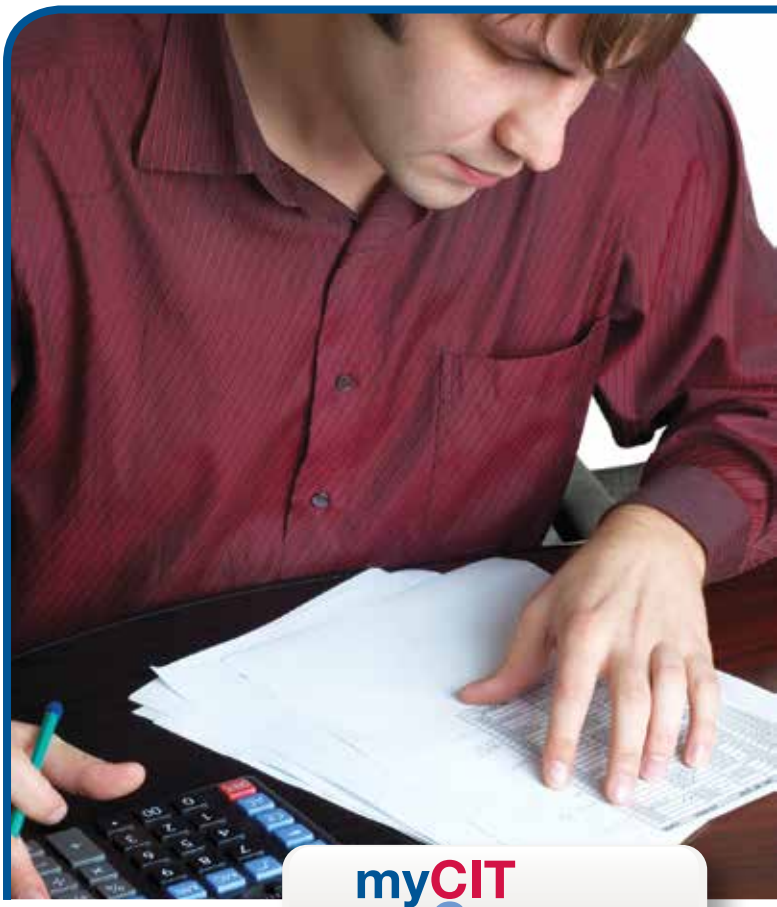
All businesses need to record details of their trading transactions (e.g. sales and purchases) so that they know who owes them money and what money they owe. This information is also used to assess the financial 'health' of the business and to make plans for the future. Accountants are involved in making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

Helpful Leaving Certificate Subjects

Accounting, Business, and Economics.

Potential Areas of Employment

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



myCIT myCourse

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

First Year at a Glance

- Financial Accounting: preparing accounts for business
- Cost & Management Accounting: understanding accounting for projects in industry
- Economics: understand how people use resources
- Law: understanding the legal system and how it affects business in Ireland
- Explore the role of a manager in business
- Understanding the role of marketing a company
- Learn to work with computerised accounts software, e.g. Sage

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 (Level 8)

or

→ Bachelor of Business (Honours) (Level 8)

Career Opportunities

Graduates will have received a broad business education and work for a variety of global, national and local accountancy firms such as KPMG, PwC, Ernst & Young, Deloitte, and many others. Graduates also work as accountants in industry for example in Kerry Group, PepsiCo, Musgrave Group, Apple, EMC^2, 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
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Question Time

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

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

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

Yes. There are many exemptions for the accountancy body examinations after this course. These are available on their websites. Chartered Accountants Ireland (www.charteredaccountants.ie), 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 14 for information on exemptions.

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

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

myCIT myCareer

Aisling Cahill
Accountant

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

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

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

Open Day 21 November

Business Information Systems (Honours)

CR 150 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Business (Honours) in Information Systems
Duration: 4 Years (8 Semesters)
Places: 80
CAO Points in 2013: **Round 1:** 335 / **Final:** 335

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Business Information Systems?

Business Information Systems is a comprehensive blend of business and technology subjects that equips students with the skills and knowledge required to develop, manage and use Information Technology systems and solutions in a variety of business environments. This will include a knowledge of systems integration; management; marketing; financial and management accounting; information communication technology strategy; computer applications; enterprise resource planning systems; legal studies; entrepreneurship; international business; project management; and systems analysis and development.

Helpful Leaving Certificate Subjects

Mathematics, and Business.

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- Introduction to basic programming
- Understanding the role of the manager and the business environment in which they work
- An insight into how Information Systems support business
- Introduction to Accounting Information Systems both manual and computerised
- Mathematics including statistics

www.cit.ie/course/CR150

Module Information http://modules.cit.ie/cr150

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

About the Course

The aim of the Honours Degree is to educate and train students in a wide range of Business and Information Systems skills. The course is assessed by end of module examination and through a significant amount of continuous assessment and project work throughout the four years. The programme represents 50% Business and 50% Technology knowledge.

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

Further Studies

For details, see www.cit.ie

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

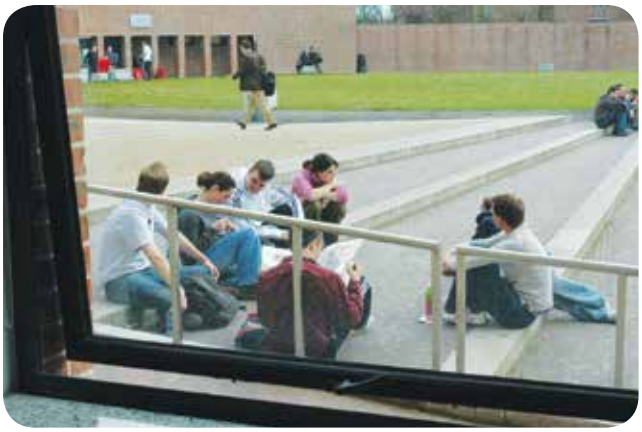
Question Time

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?
Subjects are taught at an introductory level in Year 1.

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

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



myCIT
myCareer

Kevin Walsh
Business Systems Manager

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

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

Open Day 21 November

Business Administration

CR 022 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 220 / **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)

Holders of relevant NCVA/FETAC (now QQI) awards may apply through the CAO.

Quality and Qualifications Ireland (QQI) operates within the NFQ, and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework.

What is Business Administration?

The Business Administration programme provides students with a unique blend of technical and business skills that are required for the organisation and management of a modern office environment. The programme is skills-focused, exposing students to the most up-to-date technologies that businesses are using.

Helpful Leaving Certificate Subjects

Business, English, and Mathematics.

Work Placement

There is mandatory Work Placement/Internship of fifteen weeks for students taking the Business Administration specialisation in Year 3.

Potential Areas of Employment

- Business Analytics
- Key Account Manager
- Customer Relationship Management
- Digital Marketing
- Financial Services

myCIT myCourse

"I am currently completing my 15-week work-placement as a Business Process Analyst with responsibility for investigating business systems, identifying options for improving business systems and bridging the needs of the business with the use of IT. It is very enjoyable and beneficial, and I can seek assistance from the industry mentor and a CIT lecturer throughout."
Caroline Kelleher

First Year at a Glance

- Introduction to web design, search engine optimisation (SEO) and web site maintenance along with IT applications including text processing and use of MS Office
- Students' ability to summarise information and deliver individual and team presentations to live audiences is developed
- Students will significantly enhance their IT skills throughout each year of the programme, along with learning in areas such as accounting, marketing and management, in preparation for their six-month internship in third year.

www.cit.ie/course/CR022

Module Information http://modules.cit.ie/cr022

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

About the Course

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

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

Students taking the Business Administration specialisation in Year 3 undertake a fifteen week work placement/internship. 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 (Level 8)

or

→ BBus (Honours) in Business (Level 8)

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 Organisation & Professional Development
T: 021 433 5129
E: finbarr.sheehan@cit.ie

Question Time

Are there language recommendations for the programme?
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 programme?
Over a third of the course modules are focused on developing IT skills and working with business related software packages.

myCIT myCareer

Diarmuid Ryng
Finance Administration Intern

"I am currently working with VMware; a multinational company who provide cloud and virtualisation software and services to customers worldwide. I'm a member of the Cork Finance group; a team of over 60 who work with Procurement, Accounts Payable and Receivable teams who are based in India. My daily tasks and responsibilities involve supporting internal and external paperwork flow, liaising with the legal administration team on the administration of contracts together with support to Finance and Procurement teams.

The skills I gained whilst studying the BBus (Hons) in Business Administration definitely helped me find employment. The experience I gained while on work-placement also gave me a good head start and helped me settle into working life."

myCIT myCareer

Niamh O'Brien
Sales Associate

"I am currently working with Dell Software who provide software solutions and services to customers worldwide. My position is Sales Associate for the UK and Irish Market; my responsibilities include managing and qualifying all my leads and working on marketing campaigns.

I strongly believe that the skills I gained while studying the Bachelor of Business (Hons) in Business Administration at CIT will help me progress through my career. I really enjoyed my work placement, and taking part on an Entrepreneurship Erasmus project also helped me to decide what career path to take."

Open Day 21 November

Agriculture

CR 010 Level 7 Award

>> Progression to Level 8 Honours Degree

▲ Higher Certificate Option

Application: CAO
Award Title: Bachelor of Science in Agriculture
Duration: 3 Years (6 Semesters)
Places: 40
Location: CIT Bishopstown & Teagasc Clonakilty Agricultural College
CAO Points in 2013: **Round 1:** 335 / **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	D3 (O/H)	D3 (O/H)

Holders of relevant NCVA/FETAC (now QQI) awards may apply through the CAO.

Quality and Qualifications Ireland (QQI) operates within the NFQ, and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework.

What is Agriculture?

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

Helpful Leaving Certificate Subjects

English, Mathematics, Biology, and Agricultural Science.

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

"Having completed my degree I took 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**

First Year at a Glance

- Crop Science: using land for maximum benefit while growing crops - the primary concepts of crop production
- Human/Animal & Plant Biology
- Components of food and their role in human and animal nutrition
- Maintenance and operation of farm machinery including tractors, crop sowing and harvesting
- Finance for the agribusiness sector
- Basic mathematics to assist on decision making in an agricultural enterprise
- Workshops in animal management including experience with dairy, sheep and beef herds
- IT Skills
- Site Visits e.g. National Ploughing Championships

www.cit.ie/course/CR010

Module Information http://modules.cit.ie/cr010

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

About the Course

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

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

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

Further Studies

For details, see www.cit.ie

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

→ Bachelor of Science (Honours) in Agriculture (Level 8)

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

Career Opportunities

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

Contact Information

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Question Time

What level of Business is involved in the course?
The programme is taught using one third business modules and two third agriculture or science related modules.

Do I have to be a farmer to study Agriculture?
No. The course has access to the farm resources at Teagasc Clonakilty Agricultural College necessary to complete the programme.

What are my other career prospects if I don't want to go into farming?
Graduates can progress to complete the one year add-on BSc (Honours) in Agriculture or pursue employment opportunities with agricultural related business, e.g. sales representative, quality control and production manager or agricultural advisor.

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

myCIT myCareer

Ivan Deane
Quality Control

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

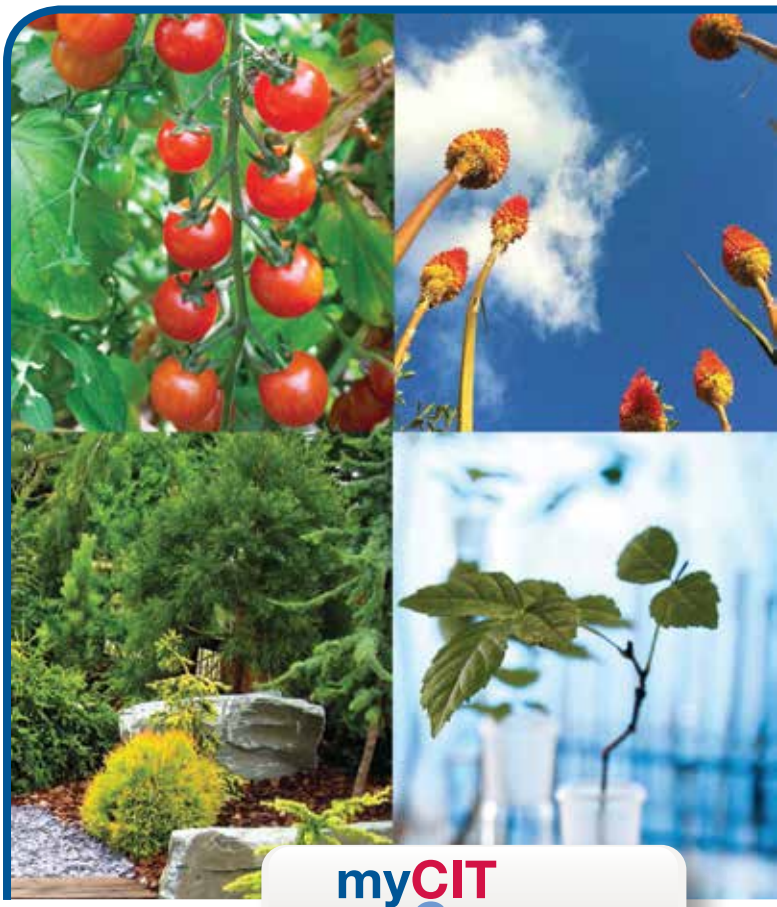
Using his qualification, Ivan began work with Shannonvale Foods in Clonakilty where his role is based in Quality Control. He ensures that the high standards of excellence are maintained through monitoring and controlling of the manufacturing processes at the company.

Open Day 21 November

Horticulture

CR 011 Level 7 Award

>> Progression to Level 8 Honours Degree



Application: CAO
Award Title: Bachelor of Science in Horticulture
Duration: 3 Years (6 Semesters)
Places: 20
Location: CIT Bishopstown & Teagasc Clonakilty Agricultural College
CAO Points in 2013: **Round 1:** 215 / **Final:** 105

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 (now QQI) awards may apply through the CAO.

Quality and Qualifications Ireland (QQI) operates within the NFQ, and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework.

What is Horticulture?

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

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

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

Helpful Leaving Certificate Subjects

English, Mathematics, and Biology.

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- Landscape design and planning
- Management of open spaces
- Introduction of finance for the agribusiness sector
- Botany: the science of growing plants
- The economic impact of horticulture on business
- IT Skills
- Basic mathematics to assist on decision making in a horticulture enterprise
- Learn how to operate and maintain agricultural related equipment including specific horticulture appliances
- Site Visits: e.g. include National Ploughing Championships, Bloomfields, Croke Park, Ballymaloe, and Fota House Gardens

www.cit.ie/course/CR011

Module Information http://modules.cit.ie/cr011

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

About the Course

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

There are two distinct areas within Horticulture.

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

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

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

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

Further Studies

For details, see www.cit.ie

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

→ Bachelor of Science (Honours) in Horticulture (Level 8)

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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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.

Do mature students study Horticulture?

Yes, this horticulture programme is a popular option for mature students with a genuine interest in this field of study.

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 2013: **Round 1:** 275 / **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 Tourism?

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

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

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- The principles and practice involved in the general business of Tourism
- The Irish Tourism Experience and what the visitor can enjoy
- The modern bookings and reservations systems
- The basic conditions for managing a business operation, with an understanding of Economics
- Understanding the motivations and behaviour of the tourist/ visitor
- Learn a language (optional)

www.cit.ie/course/CR660

Module Information http://modules.cit.ie/cr660

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

About the Course

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

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

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

Further Studies

For details see www.cit.ie

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

Career Opportunities

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

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

Contact Information

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Question Time

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

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

Are there opportunities to work outside the tourism industry?

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

Are there opportunities to travel?

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

myCIT myCareer

Laura Tangney
Killarneyonamap.ie

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

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

Tourism

CR 041 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 250 / **Final:** 230

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Tourism?

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

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

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- The principles and practice involved in the general business of Tourism
- The Irish Tourism Experience and what the visitor can enjoy
- The modern bookings and reservations systems
- The basic conditions for managing a business operation, with an understanding of Economics
- Understanding the motivations and behaviour of the tourist/ visitor
- Learn a language (optional)

www.cit.ie/course/CR041

Module Information http://modules.cit.ie/cr041

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

About the Course

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

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

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

Further Studies

For details, see www.cit.ie

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

→ Bachelor of Business (Honours) in Tourism (Level 8)

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

Career Opportunities

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

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

Contact Information

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Question Time

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

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

What level of marketing is incorporated into the course?
The course places equal emphasis on tourism and business management, of which marketing is a key component.

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

myCIT myCareer

Karen Buchanan
Tourism Entrepreneur

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

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

Hospitality Management

CR 042 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 250 / **Final:** 230

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Hospitality Management?

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

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

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

Helpful Leaving Certificate Subjects

English, Mathematics, and Business subject(s).

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- Learn about the theory and practice of Food & Beverage Operations
- Learn about the theory and practice of the Rooms Division
- Using IT applications
- Explore the structures within the various hospitality businesses
- Managing the business of various hospitality premises such as hotels, restaurants and bars
- Building the personal skills and attributes to be an effective hospitality manager
- Industry placement

www.cit.ie/course/CR042

Module Information http://modules.cit.ie/cr042

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

About the Course

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

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

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

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

Accreditation

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

Further Studies

For details see www.cit.ie

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

Career Opportunities

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

Contact Information

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Question Time

What are the facilities like for this course in CIT?

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

What are the duties of a Hotel Manager?

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

What other careers could I work in?

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

myCIT
myCareer

Dan Murphy
Managing Director

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

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

Open Day 21 November

Culinary Arts

CR 640 Level 7 Award

>> Progression to Level 8 Honours Degree

Application: CAO
Award Title: Bachelor of Business in Culinary Arts
Duration: 3 Years (6 Semesters)
Places: 32
CAO Points in 2013: **Round 1:** 310 / **Final:** 300

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Culinary Arts?

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

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

Helpful Leaving Certificate Subjects

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

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- Culinary Operations, Larder and International Cuisine
- The importance of Food Safety Principles
- Introduction to IT
- Learn about kitchen design and sustainability
- A knowledge of business calculations in the hospitality sector
- Develop the skills to manage catering and culinary businesses
- Build the skills and knowledge to manage the `front of house' side of restaurants
- Learning about food and the food developed in various cultures
- Industry placement

www.cit.ie/course/CR640

Module Information http://modules.cit.ie/cr640

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

About the Course

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

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

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

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

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

Further Studies

For details see www.cit.ie

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

→ Bachelor of Business Degree (Honours) in Hospitality Management (Level 8)

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

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

Career Opportunities

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

Contact Information

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Question Time

What is the difference between Culinary Arts and Culinary Studies?

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

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

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

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

myCIT myCareer

Sarah Healy
Area Sales Representative

"I completed the BBus in Culinary Arts in 2013, which was extremely educational and enjoyable at the same time. I always loved cooking and enjoyed being a chef. However, I was very interested in food sales and that's why I applied for La Rousse Foods with whom I now work. The BBus in Culinary Arts can lead to so many different career opportunities and is definitely an excellent course to do."

Bar Management

CR 650 Level 7 Award

>> Progression to Level 8 Honours Degree

Application: CAO
Award Title: Bachelor of Business in Bar Management
Duration: 3 Years (6 Semesters)
Places: 25
CAO Points in 2013: **Round 1:** 250 / **Final:** 230

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Bar Management?

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

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

Helpful Leaving Certificate Subjects

English, Mathematics, and Business subject(s).

Work Placement

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

Potential Areas of Employment

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

myCIT myCourse

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

First Year at a Glance

- The theory and practice of Bar Operations and associated legislation
- Learn about food preparation and service as suitable for licensed premises
- Introduction to IT
- Wine Appreciation and its service
- Learn about the business side of pubs and other licensed premises
- Develop the personal skills and attributes to manage effectively
- Industry placement

www.cit.ie/course/CR650

Module Information http://modules.cit.ie/cr650

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

About the Course

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

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

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

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

Further Studies

For details, see www.cit.ie

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

→ Bachelor of Business (Honours) in Hospitality Management (Level 8)

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

Career Opportunities

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

Contact Information

Gail Cotter
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Question Time

What are the facilities like for this course in CIT?

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

What level of Business is incorporated into the course?

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

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

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

myCIT myCareer

Roisín O'Sullivan
General Manager

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

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

Culinary Studies

CR 655 Level 6 Award

>> Progression to Degrees and Honours Degree

Fáilte Ireland
National Tourism Development Authority

This programme is supported by Fáilte Ireland

Application: CAO
Award Title: Higher Certificate in Arts in Culinary Studies
Duration: 2 Years (4 Semesters)
Places: 48
CAO Points in 2013: **Round 1:** 210 / **Final:** 210

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
5	0	D3 (O) 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 (now QQI) Level 5 awards may apply through the CAO.
Quality and Qualifications Ireland (QQI) operates within the NFQ, and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework.

Special Category Applications

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

What is Culinary Studies?

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

Helpful Leaving Certificate Subjects

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

Work Placement

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

myCIT myCourse

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

First Year at a Glance

- Practical Classical Cookery techniques including fishmongery and pastry
- Dish development in a nutritional context
- Cost control as it relates to the kitchen
- Develop practical restaurant skills
- Build the full range of skills needed to become a chef
- Learn about the background of food and service of food and the different food environments
- Understand the skills of managing the business of catering
- Industry placement

www.cit.ie/course/CR655

Module Information http://modules.cit.ie/cr655

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

Potential Areas of Employment

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

About the Course

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

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

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

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

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for entry to:
→ Bachelor of Business in Culinary Arts (Level 7)
or
→ Bachelor of Arts in Culinary Arts (part-time option) (Level 7)
and thereafter to
→ Bachelor of Business (Honours) in Hospitality Management (Level 8)

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

Career Opportunities

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

Contact Information

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Question Time

What is the difference between Culinary Arts and Culinary Studies?

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

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

myCIT myCareer

Robert Hales
Restaurant Proprietor

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

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

Open Day 21 November

Hospitality Studies

CR 657 Level 6 Award

>> Progression to Degrees and Honours Degree

Fáilte Ireland
National Tourism Development Authority

This programme is supported by Fáilte Ireland

Application: CAO
Award Title: Higher Certificate in Arts in Hospitality Studies
Duration: 2 Years (4 Semesters)
Places: 25
CAO Points in 2013: **Round 1:** AQA / **Final:** AQA

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

Note 1: The requirement for D3 (O) Mathematics may also be satisfied by Grade B2 or Higher in Foundation Level Mathematics.
Note 2: Holders of all FETAC (now QQI) Level 5 awards may apply through the CAO. Quality and Qualifications Ireland (QQI) operates within the NFQ, and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework.

Special Category Applications

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

What is Hospitality Studies?

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

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

Helpful Leaving Certificate Subjects

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

Work Placement

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

myCIT myCourse

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

First Year at a Glance

The course will introduce all Front of House areas in hotels, restaurants and bars

- Gain a knowledge of running the business of hospitality
- Develop your own personal skills and attributes for effective hospitality operations
- The theory and practice of Bar Operations and service
- The theory and practice of Food Operations
- Communications for hospitality
- Restaurant service skills
- Industry placement

www.cit.ie/course/CR657

Module Information http://modules.cit.ie/cr657

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

Potential Areas of Employment

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

About the Course

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

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

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

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

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for entry to:

→ Bachelor of Business in Bar Management (Level 7)

or

→ Bachelor of Business in Hospitality Management (Level 7)

and thereafter to

→ Bachelor of Business (Honours) in Hospitality Management (Level 8)

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

Career Opportunities

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

Contact Information

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Question Time

What is the difference between Hospitality Studies and Hospitality Management?

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

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

What are the facilities like for this course in CIT?

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

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

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

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

myCIT myCareer

Louise Lyne
Restaurant Supervisor -
The Park Hotel, Kenmare

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

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

Social Care

CR 031 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 370 / **Final:** 350

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

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

What is Social Care?

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

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

Helpful Leaving Certificate Subject

English.

Work Placement

There is mandatory work placement as follows:

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

myCIT myCourse

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

First Year at a Glance

- Psychology: The study of theoretical and research knowledge of the psychology of human development from birth to old age
- Professional & Personal Development: This consists of practical skills development, self-awareness and personal development groups, and Professional Work Practice preparation classes
- Social Care Services: Introduces students to the primary areas of care work
- Sociology: The study of different social groups and their ever changing role in society
- Political Economy of Welfare: Studies the economy within the wider political policy process
- Law: Examines the legal framework within which social care professionals operate, to introduce specific areas of law most frequently encountered in social care practice

www.cit.ie/course/CR031

Module Information http://modules.cit.ie/cr031

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

Potential Areas of Employment

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

About the Course

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

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

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for entry to

→ Bachelor of Arts (Honours) in Social Care, (Level 8) 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
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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 Level 8 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 2013: **Round 1:** 365 / **Final:** 360

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**

First Year at a Glance

- Child Pedagogy: explores the key educational approaches to teaching in an Early Years Education setting, i.e. how to become a more effective teacher
- Introduction to Creative Arts: provides students with the ability to plan teach and evaluate processes related to Music, Art and Drama
- Sociology: explores the discipline of Sociology in an Early Years context focusing on issues such as culture, ethnicity, integration, diversity and family patterns
- Developmental Psychology: introduces students to the psychology of child development from birth to 12 years of age (i.e. infancy/early childhood/middle childhood/late childhood)

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 is the Professional Work Practice (PWP) i.e. placement which takes place in the second Semester every year. This involves supervised hands-on experience in centres approved by the Institute, for example, Preschools, Naíonraí, Creches, Primary Schools, 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 (Level 8)

Career Opportunities

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

Contact Information

Dr Judith Butler
Department of Sport, Leisure & Childhood Studies
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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

CLÍODHNA WALSH
Self Employed

"Work experience, Creative Arts, small classes, and dedicated lecturers make this course the best of its kind. Graduates from this course have a new and different approach.

Group work and psychology played a major role in my personal and emotional growth as a childcare professional. The support from lecturers of this course is exceptional. They will go above and beyond their call of duty for their students. They are available for discussions, emails, and feedback to help you along, and their support enabled me to attain my first class honours degree.

I now own my own business, a Naíonra. The Business Administration, Law in Early Years, and Business modules contributed to this accomplishment."

Recreation and Leisure Management

CR 032 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 325 / **Final:** 320

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

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

What is Recreation and Leisure Management?

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

Helpful Leaving Certificate Subjects

Business, English, Biology, and Accounting.

Sport Aptitude

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

Work Placement

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

myCIT myCourse

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

First Year at a Glance

- Activity Leadership: introduces students to the practical and theoretical aspects of planning, teaching and evaluation of effective physical activity session for young children
- Sports Psychology: provides students with a basic introduction to the basic theories of sports psychology and identifies ways in which it can be used in a sports performance setting
- Exercise, Health and Lifestyle: equips the student with the skills for prescribing, planning, implementing and evaluating safe and effective exercise programmes in individual/group settings
- Economics for Recreation & Leisure: introduces students to the core concepts and principles of economics in the recreation and leisure sector and covers areas such as pricing strategies, market structures, competitiveness in business

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.

There is a mandatory supervised work placement of 5 weeks in Year 2. Work placement opportunities exist in leisure centres, adapted physical activity centres, sports coaching settings, and sports development.

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 Sport and Exercise (Level 8)

or Year 4 of

→ Bachelor of Business (Honours) (Level 8)

These awards will greatly enhance a graduate's career prospects at management level. In addition, the Bachelor of Business (Honours) satisfies the degree requirements of the Teaching Council. As with other recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

Career Opportunities

This course offers access to a wide range of employment opportunities in the sport and leisure industry such as:
· Leisure/Sports Centre Management · Personal Trainer· Strength and Conditioning Coach · Sports Coaching/Team Management · Swim Teaching and Lifeguarding · Group Exercise Leadership · Sports Development · Health Promotion · Community Recreation · Sports Marketing.

Contact Information

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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 aforementioned Honours Degrees provided they present with the minimum Leaving Certificate requirement in Irish, English and Mathematics or suitable equivalent.

It is important to note that is no direct link between this BBus in Recreation and Leisure Management and P.E. Teaching. As with other recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

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 my 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 external qualifications will I have at the end of the course?
A number of industry recognised external qualifications are incorporated into the course. These include REPs (Register of Exercise Professionals) Ireland Qualifications in the area of fitness instruction and personal training. Coaching Ireland awards in a variety of sports are incorporated into the sports coaching modules. Qualifications in Lifesaving, Swim Teaching, ITEC Massage Therapy, and Sports Massage can also be attained.

myCIT
myCareer

Juliet Murphy
Self Employed

Juliet graduated with a Bachelor of Business in Recreation and Leisure Management (Level 7) and with a Bachelor of Business (Level 8). Juliet is a household name from her sporting exploits with the Cork Senior Ladies Football team and she runs her own extremely successful gym.

"I really enjoyed my time in CIT and particularly all practical aspects of the Recreation and Leisure course. It is great to see the students now have the opportunity of doing an Honours Degree in Sport and Exercise which is most definitely a growing industry."

Open Day 21 November

Community Development

Level 7 Award

>> Progression to Level 8 Honours Degree

▲ Higher Certificate Option

Application: Direct application to CIT.
Award Title: Bachelor of Arts in Community Development
Duration: 3 Years (6 Semesters)
Places: 25
Garda Vetting: Yes

Admission Requirements

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

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

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

What is Community Development?

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

Work Placement

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

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

Potential Areas of Employment

- Statutory Organisations
- Non-Governmental Organisations (NGOs)

First Year at a Glance

- Community Development: Community development principles and everyday life
- Community Work Placement 1: The application of theory in practice settings
- Sociology and Community: Sociology in community spaces
- Social Analysis: Analysis of how Irish and European Society functions
- Education: Analysis of the Education system in Ireland and the EU
- Group Work and Community: Applying group work principles and practice in community contexts

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 (Level 8)

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

Career Opportunities

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

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

Contact Information

Dr Margaret O'Keeffe/Paddy Anderson
Department of Applied Social Studies
T: 021 433 5932 / 5931
E: margaret.okeeffe@cit.ie / 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."

International Business with Language (Honours)

CR 425 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Business (Honours) in International Business with Language
Duration: 4 Years (8 Semesters)
Places: 60
CAO Points in 2013: New Course 2014

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade	Relevant Language
4	2	D3 (O/H)	D3 (O/H)	C3 (H) or B1 (0)

What is International Business with Language?

The Bachelor of Business in International Business with Language is an innovative programme geared at preparing students for working in roles that require broad understanding of business in an international environment. Students will have the opportunity to undertake a placement/study abroad while studying a language while also developing skills in marketing, sales, business development and management. Students will continue to learn either French, Spanish or German throughout their degree.

Helpful Leaving Certificate Subjects

Business, Accounting, Economics, French, German, Spanish

Work Placement

A work placement takes place in Year 3 of this programme from January to August in a country where the language you are studying is widely spoken.

Potential Areas of Employment

- International Business Development
- International Sales Management
- Project and Operations Management
- Logistics Associate/Manager
- Supply Chain Manager/Associate
- Global Project Coordinator
- International Fundraising Manager
- Global Human Resources Officer
- Innovation Specialist

First Year at a Glance

- Develop an understanding of global business issues - so many Irish businesses and multi-national companies trade internationally that this skill is in strong demand
- Find out more about marketing, sales, and culture. Culture is an essential element of this programme as it broadens our insight into the wider world
- Build your teamwork and interpersonal skills by complementing your knowledge with strong interpersonal skills
- Further your knowledge of a language of your choice (French, Spanish, or German) and commence your journey to having a very strong business level proficiency after 4 years

www.cit.ie/course/CR425

Module Information http://modules.cit.ie/cr425

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 programme is geared at meeting the skills shortage that has been identified for roles in sales, business development and marketing in international environments. Students will develop a broad understanding of business issues with an international perspective while also studying a language of their choice. Topics like culture, negotiation, trade, law and much more underpin the development.

As part of the programme students will undertake an international trip in Year 2 where they will experience the politics, culture and business approaches of another country. In Year 3, students will undertake a placement overseas in a country where the language they are learning is spoken widely. The programme has been designed to ensure that students have a wide range of opportunities upon completion. The placement gives the student the opportunity to develop language skills and to develop a broader understanding of international cultures. The work placement opportunity in an overseas country is a distinct advantage when seeking employment upon completion of your degree. Students may also study abroad instead of placement.

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

Students that complete this programme may pursue careers in a wide number of areas including business development, international marketing, multi-territory sales, new product development, logistics management, customer relationship management, international project management, trade promotion and development, services marketing and a wide variety of roles where a second European language is valued.

Contact Information

Dr Pio Fenton
Department of Marketing & International Business
T: 021 433 5922
E: pio.fenton@cit.ie

Question Time

What are the arrangements for the placement?

The placement is an integral part of the programme and is core to your development throughout the programme. Employers value the experience of those that have worked or studied abroad greatly. In the second Semester of year 3 you will undertake a placement abroad where you will develop your language and business skills. You will be given support in sourcing and preparing for your placement. Generally, placements abroad are not always paid internships but in some cases accommodation and cost of living supports are available. Similarly, most placements will attract support from the ERASMUS+ mobility grant.

How strong will my language ability be upon completion of the programme?

Your language development is a key part of your skill repertoire upon completing this programme. It has been designed so that you develop from a post Leaving Certificate level of ability to a level of fluency that will allow you to communicate effectively in any business or social situation.

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 2013	Final Points 2013	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	Other Requirements	Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 021	Business Studies	17	Bachelor Degrees	3	✔ (Ref.1)	200	255	240	5	0	D3 (O/H)	D3 (O/H)				✔ (Ref.2/3/4)	✔ (Ref.5/6/7)	✔ (Ref.9)
CR 400	Accounting	19	Honours Bachelor Degree	4		40*	330	330	6	2	D3 (H) or C3 (O)	D3 (O/H)					✔ (Ref.9)	✔
CR 023	Accounting	21	Bachelor Degree	3	✔ (Ref.1)	40*	280	280	5	2	D3 (H) or C3 (O)	D3 (O/H)				✔	✔ (Ref.5/6)	✔ (Ref.9)
CR 420	Marketing	15	Honours Bachelor Degree	4		40	285	285	6	2	D3 (O/H)	D3 (O/H)					✔	✔ (Ref.9)
CR 150	Business Information Systems	23	Honours Bachelor Degree	4		80	335	335	6	2	D3 (O/H)	D3 (O/H)					✔	✔
CR 022	Business Administration	25	Bachelor Degrees	3	✔ (Ref.1)	50	220	200	5	0	D3 (O/H)	D3 (O/H)				✔ (Ref.2/4/10)	✔ (Ref.5/8)	✔ (Ref.9)
CR 010	Agriculture	27	Bachelor Degree	3	✔ (Ref.1)	40	335	335	5	0	D3 (O/H)	D3 (O/H)				✔	✔ (Ref.16)	
CR 011	Horticulture	29	Bachelor Degree	3		20	215	105	5	0	D3 (O/H)	D3 (O/H)				✔	✔ (Ref.17)	
CR 660	Tourism	31	Honours Bachelor Degree	4		30	275	250	6	2	D3 (O/H)	D3 (O/H)					✔	✔
CR 041	Tourism	33	Bachelor Degree	3	✔ (Ref.1)	30	250	230	5	0	D3 (O/H)	D3 (O/H)				✔	✔	✔
CR 042	Hospitality Management	35	Bachelor Degree	3	✔ (Ref.1)	32	250	230	5	0	D3 (O/H)	D3 (O/H)				✔	✔	✔
CR 640	Culinary Arts	37	Bachelor Degree	3		32	310	300	5	0	D3 (O/H)	D3 (O/H)				✔ (Ref.11)	✔	✔
CR 650	Bar Management	39	Bachelor Degree	3		25	250	230	5	0	D3 (O/H)	D3 (O/H)				✔ (Ref.11)	✔	✔
CR 655	Culinary Studies	41	Higher Certificate	2		48	210	210	5	0	D3 (O) or B2 (F)	D3 (O/H)			✔	✔ (Ref.14)	✔ (Ref.11)	✔
CR 657	Hospitality Studies	43	Higher Certificate	2		25	AQA	AQA	5	0	D3 (O) or B2 (F)	D3 (O/H)			✔	✔ (Ref.15)	✔ (Ref.11)	✔
CR 031	Social Care	45	Bachelor Degree	3		80	370	350	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.12)			✔	✔	✔
CR 032	Recreation & Leisure Management	49	Bachelor Degree	3	✔ (Ref.1)	80	325	320	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.12)			✔	✔ (Ref.5/18)	✔
CR 620	Early Years Education	47	Bachelor Degree	3		60	365	360	5	0	(Ref.13)	D3 (O/H)	✔ (Ref.12)			✔	✔	
CR 425	International Business with Language	53	Honours Bachelor Degree	4		60	New Course	New Course	6	2	D3 (O/H)	D3 (O/H)		✔ C3(H) or B1(O) in relevant language (Ref.19)			✔	✔

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
Ref.16 Bachelor of Science (Honours) in Agriculture
Ref.17 Bachelor of Science (Honours) in Horticulture
Ref.18 Bachelor of Business (Honours) in Sport and Exercise
Ref.19 Bachelor of Business (Honours) in International Business with Language minimum entry requirement for a foreign language is C3 (H) or B1(O)
* There will be 40 first year places available between CR 400 Accounting (Level 8) and CR 023 Accounting (Level 7).

NOTE: Round 1 Points 2014 can be found inside the cover of this Handbook.
Number of First Year Places may change.
Leaving Certificate (LC)
Any Qualified Applicants (AQA)

ENGINEERING at a glance

CAO Courses

Level 8

CR 105 BEng (Honours) in Chemical and Biopharmaceutical Engineering
CR 108 BEng (Honours) in Mechanical Engineering
CR 109 BEng (Honours) in Structural Engineering
CR 500 Engineering (Honours) (Common Entry)
CR 510 BEng (Honours) in Sustainable Energy Engineering
CR 520 BEng (Honours) in Biomedical Engineering
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 Engineering
CR 590 BEng (Honours) in Electronic Engineering
CK 606 BSc (Honours) in Architecture

Level 7

CR 046 BSc in Transport Management & Technology
CR 051 BEng in Civil Engineering
CR 052 Construction
Degree Award options:
BSc in Construction Management or
BSc in Quantity Surveying
CR 053 BSc in Interior Architecture
CR 055 BEng in Environmental Engineering
CR 061 BEng in Electronic Engineering
CR 062 BEng in Electrical Engineering
CR 071 BEng in Mechanical Engineering
CR 072 BEng in Building Services Engineering
CR 075 BEng in Biomedical Engineering
CR 077 BSc in Craft Technology (Wood) with Business
CR 078 BSc in Craft Technology - Mechanical Services
CR 090 BSc in Architectural Technology

Follow on Honours Degrees

Level 8

BEng (Honours) in Building Energy Systems
BSc (Honours) in Process Plant Technology
BSc (Honours) in Advanced Manufacturing Technology
BSc (Honours) in Transport Management

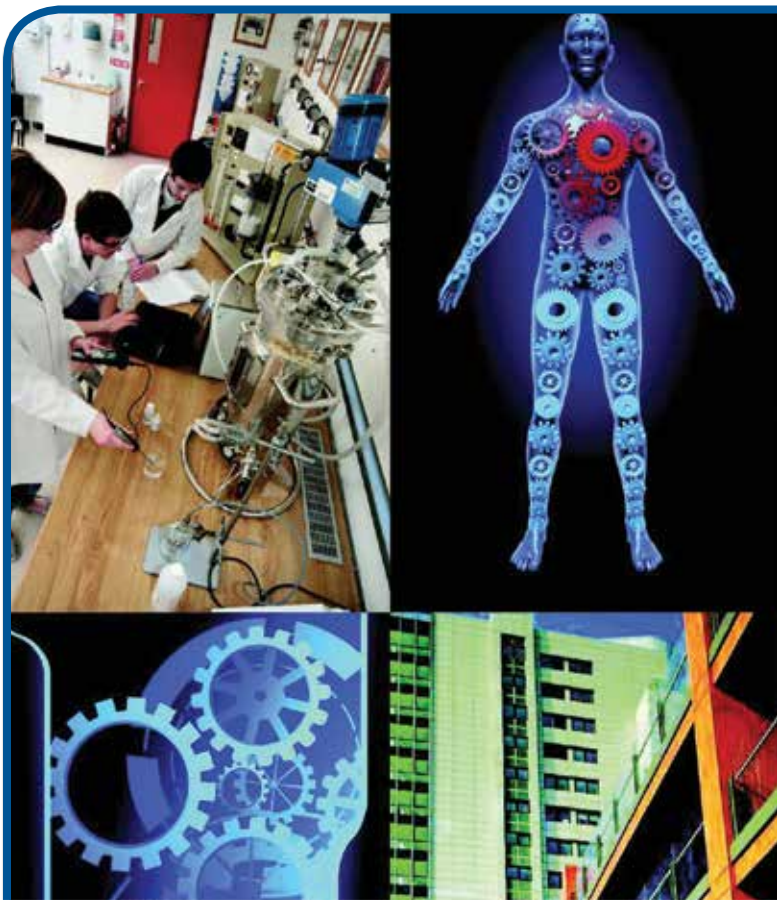
Postgraduate Programmes

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

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) On successful completion of the common entry year students enter Year 2 of the chosen specialisation BEng (Hons) programme
Places: 30
CAO Points in 2013: **Round 1:** 345 / **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	D3 (H) or A2 (O)	D3 (O/H)

What is Engineering?

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

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

Helpful Leaving Certificate Subjects

Mathematics, Physics, Chemistry, and English.

Potential Areas of Employment

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

First Year at a Glance

- Engineering Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD & Design: computer-aided design similar to design and communications graphics in the Leaving Certificate
- engineering physics: introduction to geometric optics, atomic and nuclear physics, electromagnetism, and thermal physics
- Engineering Chemistry: fundamentals of atomic theory and chemical bonding; inorganic and physical chemistry
- Material Science and Engineering: understanding the nature and properties of engineering materials
- Engineering Mathematics: mathematical topics of direct relevance to professional engineering studies
- Creativity, Innovation and Teamwork - Semester 1: in addition to introducing the student to third level education and to communication studies this module explores and discusses the various engineering professional disciplines which the student will choose to pursue in Year 2 of the BEng (Hons) programmes.
- Discipline Specific Elective Modules - Semester 2: choose 3 from 8 available: Structural Engineering (Mechanic 2 & Land Surveying); Mechanical Engineering (Mechanical Engineering Design, Thermofluids); Biomedical Engineering (Biomechanics, Applied Anatomy & Physiology); Chemical & Process Engineering (Industrial Biotech, Process Engineering Labs)

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 gives students the opportunity to see all four engineering disciplines first hand, through the various modules on offer, interaction with the lecturers and site visits, this will assist the student to decide which discipline suits him/her best.

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. Each of the four BEng (Hons) programmes from which the student chooses his/her specialisation is fully accredited by Engineers Ireland.

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 2013: **Round 1:** 400 / **Final:** 400

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. 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.

Helpful Leaving Certificate Subjects

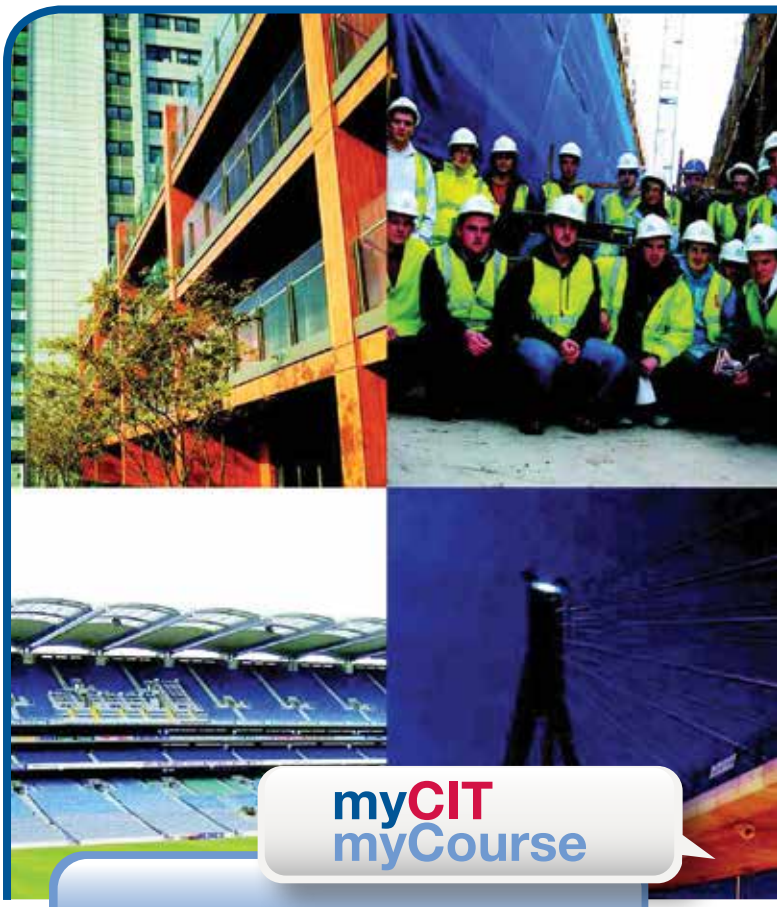
Mathematics, English, and Physics.

Work Placement

There is a work placement of 8 weeks at the end of Year 3. The module is a very popular elective with students and employers; the module can create employment opportunities for the graduate when s/he completes the final year of study.

Potential Areas of Employment

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



myCIT myCourse

"In addition to theory, the lectures cover plenty of real life engineering problems, which give great context to the course. This way of learning is really interesting and gave me valuable insights into the work of qualified engineers."
Colm Casey

First Year at a Glance

- Engineering Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD & Design: computer-aided design similar to design and communications graphics in the Leaving Certificate
- Engineering Physics: introduction to geometric optics, atomic and nuclear physics, electromagnetism, and thermal Physics
- Engineering Chemistry: fundamentals of atomic theory and chemical bonding; inorganic and physical chemistry
- Material Science and Engineering: understanding the nature and properties of engineering materials
- Engineering Mathematics: mathematical topics of direct relevance to professional engineering studies
- Land Surveying: theory and practical application of linear surveying, levelling angle measurement, and the measurement of buildings
- Communication Skills: assists students in the transition to third-level education; team projects, oral & written presentation skills
- Elective modules (choose one): IT in communications; history of structural engineering; German for beginners; free choice module

www.cit.ie/course/CR109

Module Information http://modules.cit.ie/cr109

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

About the Course

The course is taught primarily through lectures, practicals and tutorials. A significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. There is a continuing regional, national and international requirement for structural engineers with a knowledge of construction.

Students may use appropriate work experience in the summer period between Year 3 and Year 4 to complete the module with assessment and credit allocated in Year 4. Third year students are offered guidance, advice and assistance with the necessary arrangements and approval for their work experience proposal in the second semester of Year 3.

Accreditation

The BEng (Honours) in Structural Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. The taught MEng in Structural Engineering, available in the Department as a one year follow on course, is fully accredited by Engineers Ireland as meeting the educational standard for Chartered Engineer from 1/1/2013. The MEng in Civil Engineering (Environment and Energy), available in the Department as a one year follow on course, is provisionally accredited by Engineers Ireland as meeting the educational standard for Chartered Engineer from 1/1/2013 - it is anticipated that this MEng programme will attain full accreditation in due course. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

Further Studies

For details, www.cit.ie/cse

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

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Question Time

What is the difference between Structural Engineering and Civil Engineering?

Civil Engineering is the professional engineering discipline which deals with the design, construction and maintenance of the physical infrastructure of the built environment. This includes works such as buildings, roads, bridges, water and wastewater treatment and supply and harbour and coastal engineering works. In addition to the technical skills required for the above work a Civil Engineer will also have competencies in related fields such as project and asset management & health and safety.

Structural Engineering is a specialist discipline within Civil Engineering which deals with design, construction and maintenance of structures such as buildings, bridges, culverts, towers, masts and foundations. This course provides graduates with the skills to work as a Civil Engineer, however, an additional emphasis is placed on Structural Engineering studies thus giving the graduates enhanced skills in this area.

What level of drawing is required for this course?

Prerequisite drawing studies are not required. Drawing skills are addressed in the programme modules on the assumption that the students have no prior knowledge or skills in the area.

myCIT myCareer

David Shalloo
Graduate Internship

In 2012, David graduated with a 2nd Class Grade 1 BEng (Hons) in Structural Engineering. He is currently employed by Bord Gáis as a graduate working on the Irish Water Programme. David uses his combination of academic and practical skills attained during his time at CIT to undertake his daily duties as a member of the Metering Design Team. The practical design skills, and diversity of modules available in this course has ensured that he has been able to complete a variety of tasks and become a valued member of the team.

David is also currently undertaking a research Masters part-time in CIT, in the area of Energy Efficiencies in Water Treatment. David is a member of Engineers Ireland.

Civil Engineering

CR 051 Level 7 Award

>> Progression to Level 8 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 2013: **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 Civil Engineering?

Civil Engineering deals with one of the most visible signs of change and progress around us: the construction of new buildings, structures and infrastructure. New roads, rail-links, bridges and airports are always needed. New buildings are required for the public and private sectors and older buildings are redeveloped. Civil Engineers are required to plan, design, construct and maintain these facilities.

Helpful Leaving Certificate Subjects

Mathematics, English, Physics, Design and Communication Graphics, and Construction Studies.

Potential Areas of Employment

Associate Engineer/Higher Technician Level in the following areas:

- Consulting Engineers
- Civil Engineering Contractors
- State/Semi-State Bodies and Utility Companies
- Local Authorities
- Self-Employed Consultant

myCIT myCourse

"What CIT does best is provide industry with graduates of a well-rounded nature and character which enables them to learn new skills quickly and to adapt to any situation."
Ger Cogan

First Year at a Glance

- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD: computer-aided design similar to design and communications graphics in the Leaving Certificate
- Construction: domestic scale construction addressing the detailing of traditional and passive house techniques, external works and service provision
- Health & Safety: professional obligations under the Safety, Health and Welfare at Work Act and how to apply them to the workplace
- Environmental Engineering: an understanding of the environment in an engineering context; topics include water cycle, water quality, air and noise pollution, soil contamination
- Land Surveying: developing the ability to use specialist surveying equipment to complete land surveying and building measurement tasks
- Material Science: understanding the nature and properties of engineering materials
- Mathematics
- Communication Skills

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/cse

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

- → Bachelor of Engineering (Honours) in Structural Engineering

This is the most common progression route for graduates wishing to pursue a career in Civil/Structural Engineering. However, a civil engineering qualification provides a broad range of skills and graduates successfully seek opportunities for further studies at Honours Bachelor Degree level across a wide range of other cognate disciplines. For example, in recent years, some graduates of the programme have pursued further studies in CIT in

- → Year 3 of Bachelor of Engineering (Honours) in Sustainable Energy Engineering (CR510)
- → Year 4 of Bachelor of Science (Honours) in Construction Management (CR572)

Career Opportunities

An undergraduate education in Civil Engineering provides a very good platform not only for a career and/or further education in Civil Engineering but potentially for a much wider spectrum of employment opportunities. Graduates are likely to work in conjunction with architects, quantity surveyors, builders and also with personnel from other engineering disciplines.

For further information in relation to the Civil Engineering profession please refer to the Engineers Ireland website at www.engineersireland.ie

Contact Information

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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, Building Information Modelling, and health and safety.

Why study Civil Engineering?

Civil Engineers identify and analyse problems, and develop and implement solutions. In addition to technical skills Civil Engineers have competences in related fields of project management and health and safety. Civil Engineers work as individuals and in teams. The problem solving, solution implementation and management skills of Civil Engineers are applicable to a broad range of work environments and are valued by a wide range of employers.

What level of drawing is required for this course?

Prerequisite drawing studies are not required. Drawing skills are addressed in the programme modules on the assumption that the students have no prior knowledge or skills in the area.

myCIT
myCareer

James O'Leary
Project Manager

"The BEng in Civil Engineering course provided a wide variety of skills that helped me to join the engineering workforce after finishing college."

James graduated from the BEng in Civil Engineering degree programme in 2011, gaining a Distinction award. Upon graduation, Response Engineering, based in Charleville, Co. Cork, specialists in the design, build and operation of waste water treatment plants and potable water treatment plants, employed James and provided him with the opportunity to gain wide-ranging work experience in Ireland.

Open Day 21 November

Environmental Engineering

CR 055 Level 7 Award

Application: CAO
Award Title: Bachelor of Engineering in Environmental Engineering
Duration: 3 Years (6 Semesters)
Places: 20
CAO Points in 2013: New Course

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Environmental Engineering?

Environmental Engineering is that branch of engineering concerned with the application of scientific and engineering principles for the protection and improvement of the environmental quality of the world in which we live.

Environmental Engineers work on issues of sustainability, provide safe and secure drinking water, collect, treat and properly dispose of wastewater and other wastes, design flood protection measures, maintain or improve air and noise quality, design sustainable urban drainage systems, clean up contaminated land and groundwater, and help communities and industry minimise pollution, among many other activities.

It is most commonly a distinct and specialist engineering discipline within the Civil Engineering profession and it is in this context that this course has been developed.

Helpful Leaving Certificate Subjects

Mathematics, English, and Physics.

Potential Areas of Employment

- Consulting Engineers
- State/Semi-State Bodies
- Utility Companies
- Local Authorities
- Contractors
- Self-Employed Consultant

First Year at a Glance

- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- CAD: computer-aided design similar to design and communications graphics in the Leaving Certificate
- Construction: domestic scale construction addressing the detailing of traditional and passive house techniques, external works and service provision
- Health & Safety: professional obligations under the Safety, Health and Welfare at Work Act and how to apply them to the workplace
- Environmental Engineering: an understanding of the environment in an engineering context; topics include water cycle, water quality, air and noise pollution, soil contamination
- Land Surveying: developing the ability to use specialist surveying equipment to complete land surveying and building measurement tasks
- Material Science: understanding the nature and properties of engineering materials
- Mathematics
- Communication Skills

www.cit.ie/course/CR055

Module Information http://modules.cit.ie/cr055

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

About the Course

Practical sessions are carried out to provide as much "hands on" experience as possible. There is continuous assessment of reports, drawings and projects in addition to mid and end of module examinations. The Department of Civil, Structural & Environmental Engineering has active links with colleges in France, Germany, Finland, and the Czech Republic and student study exchanges with these colleges can be arranged.

Many graduates of the programme will use the qualification as a stepping stone to attain an Honours degree in the discipline.

Accreditation

The Department has a long history of professional accreditation of its courses; the well-established BEng in Civil Engineering course is fully accredited by Engineers Ireland and it is envisaged that the BEng in Environmental Engineering will be similarly accredited in due course.

Most recently the BEng (Honours) and taught MEng programmes in the Department successfully completed the Engineers Ireland accreditation process in 2012. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe.

Engineers Ireland is a signatory to the Sydney and Dublin Accords through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and the UK.

Further Studies

Subject to the achievement of the appropriate entry requirements graduates of the programme may progress to an Honours engineering degree programme in Civil or Environmental Engineering.

The Department has an active environmental engineering research unit and additionally offers taught postgraduate opportunities in the environmental engineering discipline (Level 7 & Level 8 Special Purpose Awards - Certificate in Environmental and Energy Engineering and a Level 9 MEng in Civil Engineering (Environment and Energy) programme).

Career Opportunities

An undergraduate education in engineering provides a very good platform not only for a career and/or further education in engineering but potentially for a much wider spectrum of employment opportunities. Graduates of this programme will have developed skills in a broad range of civil engineering disciplines but will have developed particular expertise in environmental engineering.

For further information in relation to the environmental engineering profession please refer to the Engineers Ireland website at www.engineersireland.ie

Contact Information

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Question Time

What topics are studied in this programme?

The first two years of the programme involve foundation studies in theory and fundamental principles. Fundamental civil engineering practice studies are undertaken in the areas of Environmental Engineering, Construction, Health and Safety, Materials Technology, Surveying, and Structural Engineering.

In Year 3 the mandatory modules have a particular focus on Environmental Engineering with skills in Water, Wastewater, Integrated Waste, Transport Planning and Infrastructure Design being developed; engineering practice skills are further developed in the areas of Management and Geotechnical Engineering. The theory and fundamental principles studies necessary for the further academic progression of the graduate are also provided. The Year 3 Project module (10 credits) affords the student an opportunity to carry out an engineering investigation into a specific topic where he/she can use the knowledge gained during his/her studies.

Why study Environmental Engineering?

Increased environmental awareness and significant developments in environmental legislation and quality assurance requirements have created increased career opportunities locally, nationally and internationally for environmental engineers. Environmental engineering infrastructure such as systems for water supply and distribution, wastewater collection and treatment and flooding control, which were developed some time ago, are in urgent need of renewal and the provision of modern management systems for the broad remit of today's environmental engineering infrastructure is a priority in a world increasingly aware of sustainability and cost issues; qualified Environmental Engineers are needed to deliver this renewal.

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 2013: **Round 1:** 245 / **Final:** 245

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Construction Management?

Construction management is the overall planning, coordination, and control of a development from inception to completion. Construction Management is aimed at meeting a client's requirements in order to produce a functionally and financially viable project in the Engineering and Architectural environment.

Construction Management involves the planning, design, production, adaptation, maintenance, restoration, conservation, financial and engineering management, evaluation and recycling of the built environment.

Helpful Leaving Certificate Subjects

Construction Studies, Engineering, Technology, & Science subjects.

Potential Areas of Employment

- Project and Contracts Management
- Project Planning & Control
- Facilities Management
- Building Surveying
- Project Evaluation & Development
- Design Management & Administration
- Education - Teaching & Lecturing

myCIT myCourse

"Submitting a Project Evaluation and Development Report, and a Dissertation, really brought it home to me the vital skills required in order to be a Construction Manager. It was hard work but very worthwhile."
Shane O'Connor

First Year at a Glance

- Construction Industry and Procedures: Who does what in the development process i.e. types of firm (sole trader, partnerships, company); participants in the industry (clients, consultants, contractors); roles and responsibilities (construction manager, architect, quantity surveyor, building surveyor); sectors in the industry (architecture and design, planning and development, construction, health & safety, estates and facilities management); measurement of basic structures
- Construction Management Measurement & Procedures: how to measure what makes up a building i.e. interpret client requirements, and the responses of consultants and contractors; and outline the principles of measurement and complete measurement of basic construction works
- Construction Materials & Structures: testing materials for a building, i.e. identify basic structural forms; recognise equilibrium in structural forms; structural use and material properties of concrete, steel, glass, timber and plastics
- Organisation and Management: organising people to do things in the right place at the right time i.e. identify principles and practices of management in construction; describe the roles and duties of the construction manager at the pre-contact and post-contract stages of a construction project; determine the resources for construction projects

www.cit.ie/course/CR572

Module Information http://modules.cit.ie/cr572

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

About the Course

The course is taught primarily through lectures, practicals and tutorials. Significant emphasis is placed on project and experimental work with site visits and field trips making up an integral part of the coursework. The student is required to submit a project evaluation and development report, and a dissertation.

Accreditation

The Construction Management Honours degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

Further Studies

For details see www.cit.ie

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- Postgraduate Diploma in Construction Project Management (Taught)
- MSc in Construction Project Management (Taught)
- MSc (by Research)

Career Opportunities

It is a challenging and rewarding career by providing the opportunity to be involved in the development of essential infrastructure in many parts of the world.

The Construction Manager is adaptable to many roles within the broader built environment. This may include; the overall management and development of construction and infrastructure projects, building control for Local and National Authorities, Education, Design, and Consultancy.

Contact Information

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Question Time

Why does a Client require a Construction Manager?
A Client requires a Construction Manager to plan, coordinate, supervise, and control complex and financially demanding developments. Most Clients would not have the necessary experience or expertise to carry out these functions, and rely on their Construction Management expert to guide them through the process.

Is a Construction Manager site based?
Not necessarily, the Construction Manager may be site-based or office based. The Construction Manager can perform a number of different roles within the Built Environment, these include working for Contracting organisations, Multi-disciplinary Project Management Companies, Local and National Governmental Authorities, and Consultancies.

What are the prospects for employment in Construction Management?
Due to the variety of potential employment areas for Construction Management Graduates, the majority of recent graduates have successfully gained employment either at home or abroad.

Is the BSc (Honours) in Construction Management recognised abroad?
Yes, the Construction Management Honours degree is recognised internationally because of its accreditation by the Chartered Institute of Building (CIOB) enabling graduates to find suitable employment, either in Ireland or abroad.

myCIT myCareer

Conor O'Keeffe
Construction Manager

"Since graduating from CIT, I trained with a principal contractor under a graduate development scheme. The scheme provided technical, commercial and management experience which enabled me to utilise the knowledge I gained from the BSc Honours Degree in Construction Management. I have worked on a number of complex, inner city projects in a project management role. Achieving Chartered status (MCIOB) of the Chartered Institute of Building (MCIOB) has been my career highlight to date.

The honours degree provided me with the skills to develop a rewarding and challenging career in the construction industry. The importance of professionalism was highlighted at CIT and has given me the appetite to pursue a diverse career in construction management. I am currently based in London with a major construction organisation."

Open Day 21 November

Quantity Surveying (Honours)

CR 570 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Science (Honours) in Quantity Surveying
Duration: 4 Years (8 Semesters)
Places: 20
CAO Points in 2013: **Round 1:** 275 / **Final:** 275

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

First Year at a Glance

- Construction Industry and Quantity Surveying Procedures: who does what in the development process i.e. identify the types of firms, their roles and responsibilities in the construction industry; interpret client requirements, and the responses of consultants and contractors; outline the principles of measurement and complete measurement of basic construction works
- Quantity Surveying Organisation and Management: organising people to do things in the right place at the right time i.e. identify principles and practices of management in construction; describe the roles and duties of the construction manager at the pre-contact and post-contract stages of a construction project; determine the resources for construction projects
- Building and Environmental Science: how you light, heat and ventilate a building, i.e. principles of heat loss; conventional domestic heating systems; low carbon emitting domestic heating systems; domestic water supply and waste water
- Maths for Technology: maths that you would need for building

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

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Question Time

What is the difference between a Professional QS and a Building QS?

The Professional Quantity Surveyor represents the client in all aspects of construction from feasibility study to final construction costs and is normally practice based. The Contractors Quantity Surveyor works for the main contractor/ builder to control construction costs as they occur on site and normally this Quantity Surveyor is site based.

How do I become Chartered?

Eligible graduates may apply to the Society of Chartered Surveyors Ireland (SCSI) for membership and undertake the Assessment of Professional Competence (APC), this is typically over two years and successful completion of this entitles them to full chartered membership of the SCSI.

Can a Quantity Surveyor work also as a Project Manager?

The project management role can be undertaken by any of the construction professions, provided they have the necessary management skills and capability.

myCIT myCareer

Liam O'Shea
Quantity Surveyor

"In 2007, I graduated with a BSc (Honours) in Quantity Surveying. I am employed by Michael Barrett Partnership in Cork and I work on a diverse range of both public and private sector projects. My responsibilities include cost management of construction contracts at both pre and post contract stages.

CIT has provided me with an excellent understanding of the roles and responsibilities of Quantity Surveyors."

Construction (Common Entry)

CR 052 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 200 / **Final:** 200

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Construction?

Construction is a process of the built environment which involves many areas of employment. For modern, complex buildings it involves the commissioning, management, design, and assembly of huge amounts of raw materials and the use of considerable labour resources.

Helpful Leaving Certificate Subjects

Construction Studies, and Design and Communication Graphics.

Potential Areas of Employment

- Site Management
- Quantity Surveying/Estimating
- Project Planning and Management
- Working with Developers, Designers and Contracting Organisations

myCIT myCourse

"Doing the Common Entry was a good insight to see how both a Construction Manager and a Quantity Surveyor carried out their work, and what would be involved in their career paths. I made an informed decision in Year 3 and I'm now completing my Honours Degree."
Scott MacDonald

First Year at a Glance

- Construction Technology: site visit, analysis and set up; introduction to foundations, walls, floors, insulation, radon protection; building regulations; and roofs
- Building and Environmental Science: how you light, heat and ventilate a building, i.e. principles of heat loss; conventional domestic heating systems; low carbon emitting domestic heating systems; domestic water supply and waste water
- Construction Graphics: how to communicate what is in a building by drawing and computer aided design, i.e., drawing equipment, sheet layout, lettering, lines, scales, dimensioning and representation of materials; geometrical setting out of arches; freehand drawing; location floor plans; reading and interpretation of a drawing; and AutoCAD
- Construction Materials & Structures: testing materials for a building; identify basic structural forms; recognise equilibrium in structural forms; structural use and material properties of concrete, steel, glass, timber and plastics
- Maths for Technology: maths that you would need for building

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

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Question Time

What is the advantage of studying the Common Entry?
The student has the flexibility of the common two years of the course before having to decide on which specialist option they want to graduate in.

What level of drawing is required for this course?
Drawing is a useful skill but not essential, it helps students understand the technology that they will ultimately be managing or measuring.

myCIT myCareer

Gerry O'Rourke
Project Manager

A previous Lord Pilkington Prize Gold Medallist, Gerry is currently working as a project manager for MACE Limited, a major Construction Management Company in the UK. "The course is very focused, ensuring that up to date methods are to the fore." Gerry aims to rise to the top of his profession and having already achieved first in the world for his Construction Management Project, his future seems assured.

myCIT myCareer

Nadine Scallan
Chartered Quantity Surveyor

"I am currently employed as a Senior Surveyor. Projects with which I have been involved to date include housing and apartment developments, hotels, an art gallery and a health centre. My role on these projects extends from preparing budgets, bills of quantities, interim valuations, project cost control and cost reviews to the preparation and agreement of final accounts. What I enjoy most about my job is the range and variety of projects."

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 2013: **Round 1:** 400 / **Final:** 400

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Architecture?

Architecture explores new ways of living, investigates new technologies and materials, and strives to ensure that new buildings, towns and landscapes are environmentally sustainable. Architecture combines art, science and technology in the design and construction of buildings and their surroundings within a socio-cultural context. Architects engage themselves in all aspects and stages of the architectural process from design, through planning, to construction and management. They are involved in projects of a diverse nature, including the design of domestic, retail, leisure, health, commercial, industrial and educational buildings, towns and urban landscapes.

Helpful Leaving Certificate Subjects

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

Where will I be studying?

The majority of lectures, practicals, and studio work are held in the Cork Centre for Architectural Education in Copley Street, Cork city. Some instruction may take place in the CIT campus and the University College Cork (UCC) campus.

Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority

myCIT myCourse

"I chose CK 606 because it is the only place in Ireland where an Institute of Technology (CIT) and a University (UCC) have joined together to provide a Centre for Architectural Education. I have learned so much in a very short time and I have enjoyed every minute."
Caoimhe Lynch

First Year at a Glance

- Design Studio: basic design project and sketchbooks involving individual and group work; basic graphic techniques; sketching and painting; pencil drawing to scale; freehand drawing; model-making; and photography
- Construction, Materials and Structures: introduction to the basic principles which are pertinent to the issues of building construction and materials, structural design and analysis for architecture
- Applied Technology Studio: preparation of technical drawings and models; design of components for simple building types; options for construction and detailing of simple building types; modelling and testing the behaviour of simple structural members subjected to forces
- History and Theory of Architecture: examines the spatial, formal and structural components of key buildings from Ancient Greece through the Roman, Early Christian, Byzantine, Romanesque and Gothic periods to the Renaissance, reflecting on how these responded to the cultures and societies in which they were produced

www.cit.ie/course/ck606

Module Information www.cit.ie/architecture

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

About the Course

The BSc (Honours) Degree in Architecture is jointly offered by Cork Institute of Technology (CIT) and University College Cork (UCC).

This is a studio and project-led course integrating the three pillars of architectural education; design, technology and the humanities. The first year of study provides a foundation in design and the built environment, appropriate to both the discipline of architecture and associated design courses. The following years of study will become progressively more architecturally focused whilst still allowing and encouraging experimentation and research into associated disciplines as well as developing transferrable skills in communication, team working, computer aided design and management.

This exciting and innovative Honours Degree programme has been developed with the support of the local architectural profession and in consultation with the Royal Institute of Architects of Ireland (RIAI).

Accreditation

This course is fully accredited by the Royal Institute of Architects of Ireland together with a fifth year programme of study leading to the award of a Master's Degree.

Further Studies

For details, see http://architecture.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

Katherine Keane
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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 of the building while Architecture focuses on the creative aspects of spatial and aesthetic design in the total building.

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 2013: **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 Architectural Technology?

The Architectural Technologist is involved with the technical issues of the architectural design process and plays the role of a technical designer. S/he is a team player who provides an expertise in technical design principles and knowledge in the development of the built environment. S/he is an organiser and coordinator of the diverse disciplines involved in the design and construction process.

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority

myCIT myCourse

"I like the variety of drafting and the way in which theory and practical knowledge from site visits is blended with the drawing modules."
Elaine Casey

First Year at a Glance

The core of the learning experience takes place in the studio through technical design projects and the application and integration of knowledge and skills explored in lecture modules. The focus of the Year 1 studio is the exploration of simple structures in wood, steel, concrete and masonry and construction detailing.

Lectures include Technology Materials and Structure (wood, steel, concrete, and masonry), Environmental Science and Services (sustainability, climate, resources), while skills developed include teamwork, problem solving, communication, drawing, and basic computer graphics.

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 http://architecture.cit.ie

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.

→ MSc in Architectural Technical Design

Career Opportunities

A graduate of Architectural Technology is a critical member of the Design Team, as s/he has an excellent appreciation and knowledge of the other Design Team discipline roles, and is involved in the coordination and development of a project at all stages.

Graduates may specialise in certain building typologies or concentrate on a particular area such as technical design, technology, architectural conservation or project management. Graduates may work as part of a team in private practice, or in the architectural section of a commercial organisation or a Government Department or Local Authority.

Contact Information

Katherine Keane
Department of Architecture
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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 of the building while Architecture focuses on the creative aspects of spatial and aesthetic design in the total building.

myCIT myCareer

Michael Wixted
Architectural Technologist

After graduation, Michael began work with EML Architects and from the onset was working on multiple projects, completing construction drawings on residential apartments, submitting planning applications for school extensions and fire stations.

He is now working on a €30 million R&D facility. "Without a doubt, the education I received at CIT has provided me with an amazing start in my career field and is the reason why I have been able to excel at what I do."

Open Day 21 November

Architectural Technology

CR 090 Level 7 Award

>> Progression to Level 8 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 2013: **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 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

First Year at a Glance

The core of the learning experience takes place in the studio through technical design projects and the application and integration of knowledge and skills explored in lecture modules. The focus of the Year 1 studio is the exploration of simple structures in wood, steel, concrete and masonry and construction detailing.

Lectures include Technology Materials and Structure (wood, steel, concrete, and masonry), Environmental Science and Services (sustainability, climate, resources), while skills developed include teamwork, problem solving, communication, drawing, and basic computer graphics.

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 http://architecture.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
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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 of the building while Architecture focuses on the creative aspects of spatial and aesthetic design in the total building.

myCIT
myCareer

Siobhán Keating
Architectural Technician / Associate

Siobhán is an Associate with O'Riordan Staehli Architects with particular expertise and responsibility for Fire & Safety on all projects.

"My Degree gave me a strong technical foundation with excellent drafting skills, detail design, and architectural appreciation. This is a challenging and interesting career. I work very closely with all members of the Design Team – Clients, Quantity Surveyors, Engineers and Contractors, ensuring that the full coordination of all the building elements complements the building design."

Open Day 21 November

Interior Architecture (Honours)

CR 565 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Science (Honours) in Interior Architecture
Duration: 4 Years (8 Semesters)
Places: 40 (between CR 565 and CR 053)
CAO Points in 2013: **Round 1:** 275 / **Final:** 275

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Interior Architecture?

Interior Architecture involves the design of interiors of buildings, their layout and space planning, fitting, technical and structural resolution, furnishing and decoration, and the preparation of all technical drawings and written documentation, necessary for the carrying out of the work.

The design work of the Interior Architect includes domestic, commercial, leisure, retail, educational and healthcare interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

- Private Practice
- Commercial
- Government Organisation
- Local Authority

myCIT myCourse

"This course encouraged me to find my creative identity through the mediums of hand drawing, model making, and computer rendering. The lecturers are passionate about the course and treated me as a person with opinions while guiding me to achieve my best."
Liam Hickey

First Year at a Glance

The core of the learning experience takes place in the studio through architectural design projects and the application and integration of knowledge and skills explored in lecture modules. The focus of the year 1 studio is simple spatial design and design of domestic scale interior space including the exploration of the processes used to create interior architecture.

Lectures include History (western architecture and design and key buildings), Technology Materials and Structure (wood, steel, concrete, and masonry), while skills developed include communication, graphic techniques, sketching, drawing, model making, problem solving, and teamwork.

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. This course examines contemporary practice in interior architecture and teaches you about our architectural heritage, how buildings work, and how to create high quality spatial experiences.

Interior Architecture involves the design of interiors of buildings, their layout, fitting, furnishing and decoration and the preparation of all technical drawings and written documentation necessary for the carrying out of the work. The design work of the Interior Architect includes domestic, commercial, leisure, retail, educational, and healthcare interior projects. Interior architectural design encompasses many types of interiors and utilises accompanying skills.

At CIT, Interior Architecture covers the spectrum of industry specialisms. It involves the initial design and plan for use to accommodate a changed purpose, or a significantly revised design for adaptive reuse of the building shell. It considers structural adaption, sustainable redevelopment strategies, the use of light, air movement, ventilation, horizontal/vertical circulation, and servicing. The practice of Interior Architecture responds to multiple user needs and a wider social responsibility.

The core of this programme is the design studio where skills in design and representation are integrated with mastery of content from other modules. The emphasis is the development of strong commercial design and analytical skills in a studio-based environment.

Modules in the award stage of the Honours Degree will include a comprehensive Design Project, as well as modules in the areas of Conservation; Sustainability; Research Methods; and Professional Practice.

Accreditation

This course is in the process of accreditation review by the Royal Institute of British Architects part 1 and the European Council of Interior Architects. This course is fully accredited by the Chartered Institute of Building.

Further Studies

For details, see http://architecture.cit.ie

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT.
→ MSc in Interior Architecture

Career Opportunities

This course qualifies graduates to work in architectural practice, interior design firms, and allied disciplines in the capacity of Interior Architect as a designer with a developed area of focus and expertise or in entry management positions. The graduate will be proficient in the master-planning, spatial design and the materiality of complex interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self-employment after a suitable period of practical experience.

Contact Information

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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 Level 8 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 2013: **Round 1:** 205 / **Final:** 205

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

First Year at a Glance

- Interior Architecture Studio: introduction to simple spatial design; processes that are commonly used to organise and support study; research, analysis and studio design projects
- Graphics: introduces you to the core of communication skills appropriate for a career in interior architecture; construction industry drawing conventions and techniques in order to clearly communicate design proposals
- Technology Materials & Structures: introduction to building technology; site and foundations; construction systems in wood and in steel; components of frame, floor, roof, skin/ enclosure openings, windows & doors and relevant building regulations
- Architectural History & Theory: explores the foundations of western architecture examining the spatial, formal and structural components of key buildings from Ancient Greece to the Renaissance

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.

This course examines contemporary practice in interior architecture and teaches you about our architectural heritage, how buildings work, and how to create high quality spatial experiences.

Accreditation

This course is in the process of accreditation review by the Royal Institute of British Architects part 1 and the European Council of Interior Architects. This course is fully accredited by the Chartered Institute of Building.

Further Studies

For details, see http://architecture.cit.ie

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

→ Bachelor of Science (Honours) in Interior Architecture

Career Opportunities

This course qualifies graduates to work in architectural practice, interior design firms, and allied disciplines in the capacity of Interior Architect as a designer with a developed area of focus and expertise or in entry management positions.

The graduate will be proficient in the master-planning, spatial design and the materiality of complex interior schemes that involve multiple floors and mixed uses. The graduate is also oriented to commercial architectural practice with a strong understanding of sustainable design. The graduate will be able to develop designs and their attendant working drawings, and will deal with contractors, suppliers, and local authorities. The graduate may also select self-employment after a suitable period of practical experience.

Contact Information

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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.

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 2013: **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 Craft Technology (Wood) with Business?

Craft Technology is focused on practical skills as well as a knowledge of technology used in current building practice. There are a number of aspects to Craft Technology: sustainable building techniques, conservation, building information modelling, and practical skills in roofing and joinery all blended with core business and management comprehension. The Business section will assist you in starting up your own business.

Helpful Leaving Certificate Subjects

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

Potential Areas of Employment

- Carpenter/Joiner
- Manager in Construction
- Business Owner
- Project Manager
- Education/Training
- Joinery/Furniture Design

myCIT myCourse

"The mix of Business, Technology, and Craft skills give me the option and confidence to work in a broad range of areas from Craft enterprise to management and education."
Dan Sweeney

First Year at a Glance

- Carpentry: bringing you through the principles of roofing geometry through practice
- Joinery: introducing the key skills required in quality joinery pieces
- Accounting: giving you the tools you need to profit from your skills
- Maths: developing your logic and problem solving competences
- Geometric Graphics: applying geometry to complex carpentry & joinery situations
- Wood Technology: fundamentals of our medium: timber
- Construction Materials: the engineering methodologies of material testing
- Product Design: applying the theory of how good products become iconic to your product

www.cit.ie/course/CR077

Module Information http://modules.cit.ie/cr077

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

About the Course

This course develops the core technical skills in the specific areas of design, woodworking skills, building technology, and business knowledge. Building technology covers the various aspects of technology that make up the fabric of a building, from passive housing details to pneumatic systems.

The focus on workshop skills develops key problem solving techniques, creative abilities and leadership proficiencies in real time, with solutions designed, tested and used on scale model examples. The development of these talents are enhanced over three years, each year expanding on the knowledge and skills of the previous year, developing a comprehensive understanding of timber as a building medium, and how to best use it as a component part of the building envelope.

Modules include Carpentry where you will design, draw and make various types of roofs from basic 'A' Frame to complex Octagonal based turrets.

Joinery will have projects, for example, designing and making doors and windows of traditional and modern types. It also includes designing and making scale model stairs. Building Technology will discuss and highlight different principles behind the different materials used in the fabric of building as well as explaining the newer technologies currently influencing building today.

The Business element includes accountancy, management theory and practice. A module on Entrepreneurship will take you through the steps involved in starting up your own business.

Career Opportunities

Graduates of this Degree programme will have the skills and competences to enter managerial levels within the construction industry or to become self-employed in a traditional craft area using entrepreneurial skills acquired during this programme.

Further Studies

For details, see www.cit.ie

Students may complete a Bridging Module in Year 3, which on successful completion and subject to availability of places, may be considered for entry to Year 4 (final) of

- → Bachelor of Science (Honours) in Construction Management and thereafter may be considered to apply for a postgraduate degree at the University of Limerick
- → Professional Master of Education (Technology)

Contact Information

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Question Time

If I haven't studied Construction Studies in the Leaving Certificate, will I be at a disadvantage?
No, the course is designed to take the learner from the basics to a complex skill and design in Carpentry and Joinery over three years.

Is the class size small and are the exams based on continuous assessment?
Class sizes are limited to 20 due to workshop space. Assessments vary from subject to subject but most begin in week six and are project based.

Are all the materials supplied by CIT?
Yes, all class materials are supplied by CIT, however, this does not include books or extra material involved in the production of your final project.

On completion of this course, will I be a qualified carpenter?
Not directly, you can use this course to reduce the training time to become a carpenter in Ireland. In the UK, the British Institute of Carpenters will recognise you as a carpenter once you successfully complete its final exams.

This Level 7 degree is designed to give graduates a choice of career paths that an apprenticeship in carpentry does not currently offer.

Craft Technology – Mechanical Services

CR 078 Level 7 Award

Application: CAO
Award Title: Bachelor of Science in Craft Technology - Mechanical Services
Duration: 3 Years (6 Semesters)
Places: 40
CAO Points in 2013: New Course Entry 2013

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Craft Technology - Mechanical Services?

This programme in Craft Technology - Mechanical Services has three overarching aims: to elevate, educate, and engage. Its focus is on planning, installation, commissioning and maintenance of services within office blocks, hospitals, hotels, schools, recreational centres, pharmaceutical, apartment blocks, public works, shopping centres, as well as external environmental utilities. Mechanical Services involves heating, cooling and ventilation systems, components and controls and will also cover water services, waste water systems and individual services such as steam, compressed air, refrigeration, specialist gases and renewable energy systems.

Helpful Leaving Certificate Subjects

Engineering, Technology, Design & Communication Graphics, and Mathematics.

Potential Areas of Employment

- Mechanical Services Supervisor
- Maintenance Manager/Supervisor
- Project/Contract Manager
- Facilities/Utilities Operators
- Field Services Engineer
- Technical Sales Representative

myCIT myCourse

"The course combines theory and practical work to provide me with the skills, knowledge and confidence needed to begin a career in a wide variety of industrial services"
Barry Crowley

First Year at a Glance

- Mechanical Services Mild Steel: practical skills
- Mathematics Technology: solving practical mathematical problems
- Mechanical 1: heating, ventilation, air conditioning and hot and cold water systems
- Fluids and Gases Engineering Science: thermodynamics and fluid mechanics
- Introductory CAD: conveys engineering requirements graphically
- CAD Mechanical 1: drawing of building services equipment
- Introduction to Industrial Services: steam, compressed air, medical and industrial gases and vacuum systems
- Health & Safety: professional obligations under Health and Safety and how to apply them in the workplace
- Mechanical Services Lab: piping and jointing methods
- Refrigeration Fundamentals: refrigeration and air conditioning principles

www.cit.ie/course/CR078

Module Information http://modules.cit.ie/cr078

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

About the Course

Craft Technology - Mechanical Services aims to provide students with an understanding of craft mechanical principles as it relates to industry and utilities operation within completed commercial and industrial facilities. The course is taught through a combination of lectures, practical work and assignments/projects.

Year 1 is structured to deliver the fundamentals through a range of modules such as: Mechanical Services Workshop, Fluids and Gases, CAD, Industrial Services, Refrigeration, Health and Safety, Mathematics, and Mechanical 1. Also the Creativity, Innovation & Teamwork module allows the students to develop their communication and practical skills.

Year 2 will have a greater emphasis on developing a more in depth analytical and problem solving skills. The modules will include Building Energy Management Systems (BEMS), Mechanical Controls, Documentation Management, 3D CAD and Management.

The common themes of craft skills and engineering practice remain in **Year 3** but there is a targeted focus on design, critical thinking and estimating for mechanical services and project management. In the final semester the students will be required to produce a final year project including research, problem analysis and planning ability.

Career Opportunities

On completion, graduates will be technically proficient with the appropriate knowledge, skills and competencies in Mechanical Services. They will have further developed the ability to work effectively as an individual and as part of a multi-disciplinary team and an understanding in which the mechanical services supervisor operates. They will be of high academic and practical standards, in order to match the needs of both the Irish and international Mechanical Services industry.

Contact Information

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E: eamonn.sheffron@cit.ie

Question Time

If I haven't studied Engineering in the Leaving Certificate, will I be at a disadvantage?

No, the course is designed to take the student from the basics to a complex skill and design in Mechanical Services over three years.

Is the class size small and are the exams based on continuous assessment?

Class sizes are limited to 20 for workshop/laboratory work and 40 for classroom classes. Assessments vary from subject to subject with a range of assessments method applied, continuous assessment, practical skills evaluation, short-answer, written reports, projects and end of semester formal examinations. Modules will typically have 3 occasions of assessment spread over the semester.

Are all the materials supplied by CIT?

Yes, all class materials are supplied by CIT, however, this does not include personal protective equipment books or extra material involved in the production of your final project.

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 2013: **Round 1:** 360 / **Final:** 360

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

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

What is Chemical & Biopharmaceutical Engineering?

Chemical Engineering is all about change; creating life-enhancing products and services by applying scientific and mathematical understanding to design, control and improve processes that change raw materials into useful products. Chemical Engineers are world leaders in producing medicines, clean energy and water and other key products in a cost effective, safe and environmentally-friendly manner.

Helpful Leaving Certificate Subjects

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

Work Placement

A salaried placement is part of Year 3 and is spent either in industry or with a consultancy (subject to availability).

Potential Areas of Employment

- Pharmaceuticals & Biopharmaceuticals
- Food & Beverages
- Oil & Gas
- Energy & Environment
- Building Products
- Consultancy

"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

First Year at a Glance

Learners of this programme are exposed to a broad range of mathematical, scientific, engineering and technological knowledge, methods and techniques that allow them to research, critique, derive and apply relevant solutions from their studies and practical work.

- Mathematics: is the language of engineering, students will use mathematics to model, analyse, predict and control the behaviour of complex chemical and pharmaceutical systems
- Communications: students need to communicate effectively on complex engineering activities with the engineering community and with society at large
- Engineering Science: students will learn the fundamentals of physics and chemistry to allow them to understand the scientific basis of chemical engineering
- Engineering Laboratory Practices: students will learn how to operate items of chemical and biopharmaceutical process equipment in a professional and safe manner
- Principles of Process Engineering: students introduced to material and energy balances on reactive processes and unreactive processes
- Cellular Microbiology: students will learn how cells can be used to produce useful biotechnology products

www.cit.ie/course/CR105

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 BEng (Honours) in Chemical and Biopharmaceutical Engineering is accredited as an Honours Bachelors Degree with Engineers Ireland. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. This Degree is also accredited by the Institution of Chemical Engineers which means that the Degree is internationally recognised and transferrable.

Further Studies

For details, see http://pet.cit.ie/chemeng

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- MEng in Chemical and Biopharmaceutical Engineering (Taught)
- MEng (by Research)
- PhD

Career Opportunities

With nearly 30 years of graduates, alumni may be found in North America, Australia, and the Far East, at levels from vice-president of corporations to recent hires. Many of the graduates remain in technical support roles, others develop into managerial positions as production, engineering, human resources and general managers. The 'typical' graduate is engaged in the region, in the greater Munster area, in the pharmaceutical and biopharmaceutical sector. Starting salary for chemical engineers is usually the highest of all engineers, reflecting the world-wide demand for their skills.

Contact Information

Noel Duffy
Department of Process, Energy and Transport Engineering
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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

Erin Reidy
Graduate Engineer

"Based in MSD Brinny, I am currently involved in production support engineering and clean utilities. This involves work on various projects to reduce costs and improve the processes. These projects take me to all areas of the site from sterile manufacturing to environmental engineering.

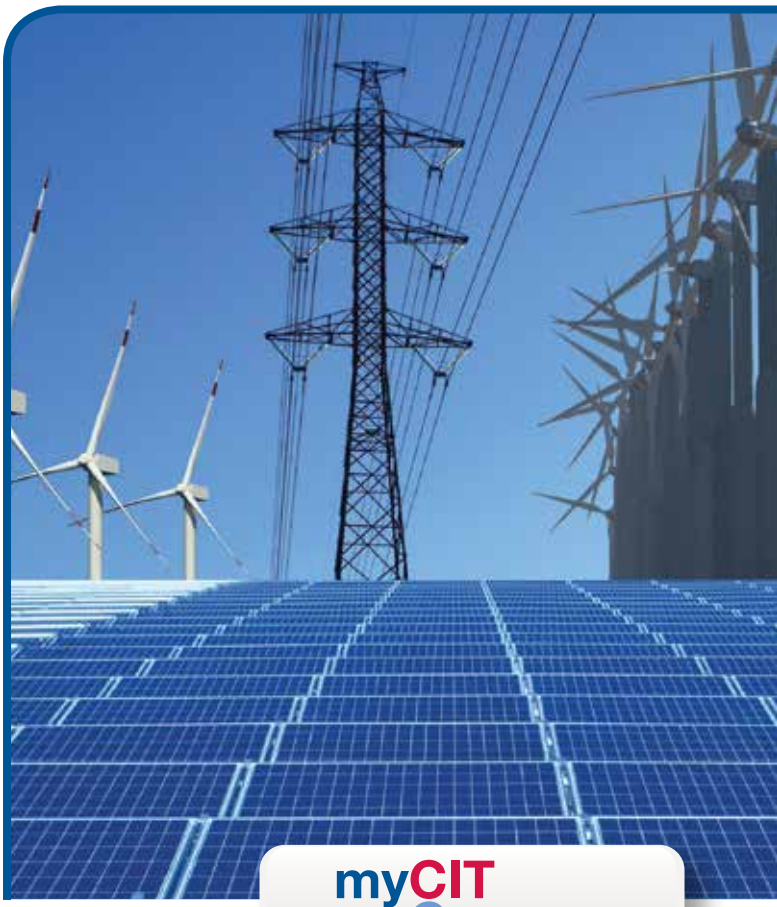
MSD Brinny Biopharmaceuticals treat cancers, arthritis, Hepatitis C, and Crohn's disease. They are made on-site through biotech fermentation, purification, sterile filling and packaging, and released to 90 countries.

As a graduate engineer I work with very varied team projects towards continuous improvement and the sustained production of the biopharmaceuticals. Completing my degree in CIT's Chemical and Biopharmaceutical Engineering has prepared me to start my career in industry where I use the technical, practical and team-work based skills I have learned every day."

Sustainable Energy Engineering (Honours)

CR 510 Level 8 Award

>> Progression to Postgraduate Programmes



Application: CAO
Award Title: Bachelor of Engineering (Honours) in Sustainable Energy Engineering
Duration: 4 Years (8 Semesters)
Places: 40
CAO Points in 2013: **Round 1:** 305 / **Final:** 305

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Sustainable Energy Engineering?

Sustainable Energy Engineering involves the understanding and application of the engineering and technological principles of energy conversion and use. Energy is one of the driving forces behind civilization and the future challenge is to source this energy in a sustainable fashion. Renewable energy has saved Ireland over €1 billion fossil fuel imports in past five years.

Helpful Leaving Certificate Subjects

Mathematics, Physics, Engineering, Design and Communication Graphics, and Applied Mathematics.

Work Placement

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

Potential Areas of Employment

- Energy Management
- Energy Systems Design
- Energy Project Management
- R & D Energy Engineer

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

First Year at a Glance

- Sustainable Energy: study of energy resources and the necessity for energy sustainable sources
- The Science of Energy: the theory behind energy conversion processes
- Electrical Principles: fundamentals of electrical and electronic circuits
- Computer Control Applications: use of sensors, microprocessors & programming to control processes
- Mathematics: developing mathematical tools which underlie sustainable energy engineering
- Mechanics: basic principles of forces and movements that are fundamental to engineering design
- Engineering Chemistry: applying science of chemistry to engineering principles
- 3D CAD: CAD allows engineers to communicate their ideas graphically

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 elements 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 http://pet.cit.ie/see

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 systems design, 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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Department of Process, Energy and Transport Engineering
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Question Time

Is there a shortage of graduates in the Sustainable Energy Engineering field?

Yes, there is shortage of Engineers who specialise in Energy Engineering.

What kind of Energy Systems are available at CIT?

- 2.4kW Wind Turbine
- Wind Monitoring Masts
- Solar Thermal Collectors
- Artificial Sky Unit
- EV Charging Point
- Zero Energy Building Retrofit
- 4 Wheel Rolling Road and Engine Test Bed
- CIT/UTRC Low Energy Building Test Bed
- 25kW of solar photovoltaics (PV) linked to a 10kW wind turbine

myCIT myCareer

Julie McGrath
Graduate Engineer

Julie completed a Level 7 Degree in Civil Engineering and transferred into Year 3 of the BEng in Sustainable Energy Degree in 2008.

She completed 6 months work placement in Chris Mee Safety Engineering which involved gaining a working knowledge of the new Standard (ISO 14064), for Greenhouse Gas Management or Carbon Footprint measurement.

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

Open Day 21 November

Building Services Engineering

CR 072 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 235 / **Final:** 235

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 helps to deliver innovative and sustainable project solutions which bring building environments to life. It 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 are involved in the optimisation and 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. They are also central to provision of services e.g. hot/cold fluids, vacuum gases, lighting and ventilation, clean room, for an industrial process such as a pharmaceutical plant. All of these must be delivered in the most environmentally sustainable way.

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
- Building Services Coordinator

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

First Year at a Glance

- The Science of Energy: the theory behind energy conversion processes
- Systems Control: the ability to control the internal environment of buildings and facilities is central to industrial systems
- Systems Design: the design and commissioning of building services such as heating, lighting, water supplies, security and communications
- Mathematics: developing mathematical tools which underlie industrial systems
- Communication Skills: engineers usually work in multi-disciplinary teams so good communication skills are essential for successful project outcomes
- 3D CAD: CAD allows engineers to communicate their ideas graphically

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 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. It 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 http://pet.cit.ie/bis

Degree holders who achieve the specified level of academic performance are eligible to apply for entry to the one year add-on

→ Bachelor of Engineering (Honours) in Building Energy Systems

or

→ Bachelor of Science (Honours) in Process Plant Technology

or Year 3 (carrying exemptions) of

→ Bachelor of Engineering (Honours) in Sustainable Energy Engineering

Career Opportunities

Graduates can join consulting engineering companies. They are employed as an assistant engineer and are mentored by a senior engineer as they further develop their skills in the design of building services systems from concept stage to construction stage. Graduates then progress to the lead design engineer either on mechanical or electrical systems. From there they advance to engineering manager, ultimately responsible for a design team.

Graduates also join Mechanical and Electrical Contracting companies. These companies are responsible for the installation, testing, and handover of building services systems. Graduates would typically start as an assistant to a senior site engineer. They learn the project management skills necessary to run a multi-million euro project including planning a project over a year, purchasing of main plant (boilers, pumps, air handling units, transformers etc.) and solving day to day engineering problems associated with installing large piping, ducting and electrical systems, liaising with architects, structural engineers and clients. These engineers can progress quickly to Project Managers responsible for all aspects of the project (financial and technical).

Other career paths include commissioning engineering equipment design, equipment sales, and CAD technicians.

Contact Information

Fergus Delaney
Department of Process, Energy and Transport Engineering
T: 021 433 5426
E: fergus.delaney@cit.ie

Question Time

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

Is this course about construction of buildings?
No, this course is about evaluating the performance of buildings and the design of the mechanical and electrical systems for buildings. There is some construction covered to enable students to evaluate the heat loss in winter and solar heat gain in summer associated with different types of wall, roofs, and glazing systems.

What type of projects do Building Services Engineers get involved in?
Systems need to be designed for new and existing houses, new and existing commercial buildings, biomedical research and production facilities, computer chip cleanrooms, hospitals, museums, art galleries, airports, pharmaceutical companies etc.

Is there much variety in the work?
Yes, projects typically last about a year. Each job has new challenges and new problems to solve.

myCIT myCareer

John O'Sullivan
Building Services Engineer

"I graduated as a building services engineer and was employed by one of Ireland's largest multi-discipline engineering consultancy firms, Project Management. I work in the design of heating, ventilation & air-condition systems for buildings that were located in different parts of Europe.

My typical day is always varied - today could be a site survey of an existing ventilation system or Air Handling Unit, but tomorrow could be the calculation of a heating load inside a new pharmaceutical building. With technology so advanced today, we can design/ change something today in Cork, for a project in Belgium that could be installed tomorrow."

Open Day 21 November

Transport Management & Technology

CR 046 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 210 / **Final:** 210

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Transport Management & Technology?

Motor vehicle technology and the motor industry in general have undergone dramatic changes in recent times. Technological advances have made vehicles more efficient, more environmentally friendly, and safer, whilst at the same time strict standards are being enforced by manufacturers, distributors and retailers.

The motor and transport industries require highly qualified people at supervisory and management level. This course is designed to take account of these advances and it prepares graduates for employment within such a dynamic industry.

Helpful Leaving Certificate Subjects

Engineering, Physics, and Business.

Potential Areas of Employment

- Motor Dealerships: Sales and After-Sales Departments
- Transport and Logistics Companies
- Motor Vehicle Distributor Organisations
- Motor Vehicle Assessors

myCIT myCourse

"I think the course is suited to anyone with a genuine interest in the motor industry. The mix of practical and theory subjects really suited me."
John Lyons

First Year at a Glance

- Engine Technology: hands-on practical and classroom based instruction on engine construction and operating principles
- Automotive Science: scientific principles relating to automobile design and operation
- Automobile Electrical Systems: the electrical and electronic systems which are used to provide comfort, safety & efficiency in modern vehicles
- Garage Practice: practical knowledge and workshop experience of modern motor vehicles
- Communication Skills: to allow graduates to liaise effectively between customers, mechanics, suppliers and assessors
- Automotive Administration: management of the service system using computer systems for e.g. parts ordering and tracking, monitoring, billing for the service operation

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 http://pet.cit.ie/transport

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
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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.

Is there work placement in Ireland or abroad during the course?
Work placement is incorporated for those who progress to the Bachelor of Science (Honours) in Transport Management programme.

myCIT myCareer

Patrick Hourihane
Transport Manager

"In 2010, I completed my BSc in Transport Management & Technology in CIT and I continued there to obtain my BSc (Honours) in Transport Management in 2011.

I immediately got a job with Creedon Transport. The experience I got there stood to me and I'm now a Transport Manager for Thames Materials in London, with a fleet of 40 trucks. My day involves the daily planning, routing and maintenance for all the fleet. The degree course in CIT really prepared me for all aspects of my job."

Open Day 21 November

Mechanical Engineering (Honours)

CR 108 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Engineering (Honours) in Mechanical Engineering
Duration: 4 Years (8 Semesters)
Places: 20
CAO Points in 2013: **Round 1:** 340 / **Final:** 340

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

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

What is Mechanical Engineering?

Mechanical Engineering involves the design, manufacture and operation of products that have motion or have internal moving parts. This ranges from the design and manufacture of high performance engines, machines with atomic level precision to aircraft, wind turbines, major power plants and process equipment to the construction, commissioning and maintenance of industrial, chemical, pharmaceutical and food processing plants.

Helpful Leaving Certificate Subjects

Mathematics, Physics, Applied Mathematics, Engineering, Design and Communication Graphics, and Chemistry.

Work Placement or Project

Formal work placement (minimum of ten weeks) is an integral element of the course and takes place in Year 3.

Potential Areas of Employment

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

myCIT myCourse

"If you are willing to put in the effort and time, the benefits are endless due to the range of skills and diversity of job opportunities available. The majority of my class has secured prestigious graduate positions well in advance of our final examinations." **Martin Evans**

First Year at a Glance

- Engineering Physics: application of physics to engineering problems
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Engineering Computing: programming for engineering applications using numerical methods
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Engineering Chemistry: application of chemistry to engineering problems
- 3D CAD: computer-aided design (CAD) is similar to design and communication graphics in the Leaving Certificate exam
- Workshop: shaping and application of metal components
- Mathematics

www.cit.ie/course/CR108

Module Information http://modules.cit.ie/cr108

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

About the Course

Design and project work is a major feature of the course. The Innovative Project Development modules in Year 3 enable students, working in teams, to bring a concept from the idea stage through to a finished prototype, considering the technical performance and commercial potential of their designs. In the final year, each student undertakes an individual project involving research, design, prototype development and experimental verification to meet a real need.

Honours Degree graduates generally gain employment as mechanical, design, manufacturing, production, process, plant, project or maintenance technologists/engineers. They work in fields such as aerospace, automotive, computer and electronic manufacture, machine and plant design, power generation, engine design, contracting and consulting.

Students have the option of work placement in industry in Ireland or abroad or in a research laboratory in Ireland or with one of our partner institutions abroad (France, Germany, Italy, UK, etc.).

Accreditation

This BEng (Honours) course in Mechanical Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

Further Studies

For details, see www.cit.ie

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
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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.

Can I progress to further studies?
Yes, many graduates have progressed to Masters (Taught) and to PhD research either in CIT or in other institutions in Ireland and across the world.

Has the Course professional accreditation?
Yes, see detailed information in column 1.

Are there opportunities to travel?
Undergraduates have the opportunity to travel as part of the Work Placement module in Year 3. Graduates from the programme are employed across the world. Though many graduates are based in Ireland their work involves travel to and communication with people and companies across the globe.

Are there any events I should attend to learn more about Mechanical Engineering?
CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition every April. Please see www.cit.ie 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 Level 8 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 2013: **Round 1:** 250 / **Final:** 240

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is 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, Design and Communication Graphics, and Chemistry.

Potential Areas of Employment

- Design Technician/Engineer
- Plant Inspector/Quality Manager
- Manufacturing Technician/Engineer
- Technical Sales Engineer

myCIT myCourse

"A good portion of the course is practical which allows a nice balance with the more academic aspects. The modules complement each other building on a fundamental understanding year on year."
Mark Cummins

First Year at a Glance

- Mechatronics: interaction between mechanical and electronic components
- 3D CAD: computer-aided design (CAD) is similar to design and communication graphics in the Leaving Certificate exam
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Automobile Engineering: analysing automobile engines
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- Workshop: shaping and application of metal components
- Mathematics

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.

Recent Projects have taken place in the following areas:

- Engine Development and Design
- Sports Equipment & Training Aids
- 3D Modelling
- Automation Systems
- Sustainable Engineering

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

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

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

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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?
This course in Mechanical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

Is there much practical work on the course?
Students get hands-on practice in mechanical workshop, welding, computer-aided design, mechatronics, and also have the option of selecting elective modules in automotive engineering. The course is designed to give an overall balance between practical activities and theory.

Are there any events I should attend to learn more about Mechanical Engineering?
CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition every April, the largest exhibition of its kind in Ireland. Please see www.cit.ie 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: 20
CAO Points in 2013: **Round 1:** 440 / **Final:** 440

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

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

What is Biomedical Engineering?

Biomedical Engineering combines engineering with an appreciation of the functioning of the human body, whether healthy, injured or diseased. The medical device sector in Ireland is very strong; there are 250 medical technology companies in Ireland, exporting €7.2b worth of product annually and employing 25,000 people (figures from the Irish Medical Device Association). Products include prosthetic devices to provide the disabled with tools to improve their quality of life, disposable plastic and wound care products, and precision implants including pacemakers, microelectronic devices, orthopaedic implants, diagnostics, contact lenses and stents. In the clinical context, biomedical engineers play a key role in designing, sourcing and maintaining equipment, facilities and services within hospitals.

Helpful Leaving Certificate Subjects

Mathematics, Physics, Biology, and Engineering.

Work Placement

Formal work placement (minimum of ten weeks) is an integral element of the course and takes place in Year 3.

Potential Areas of Employment

- Biomedical Device Design and Manufacture
- Research & Development
- Engineering Support within Clinical Environments
- Regulated Industries e.g. Healthcare/Food

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

First Year at a Glance

- Engineering Physics: application of physics to engineering problems
- Properties of Materials: appropriate choice of materials to use for a particular engineering/device application
- Biomechanics: analysis of the joint/muscle forces on the body
- Engineering Chemistry: application of chemistry to engineering problems
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- CAD: computer-aided design similar to design and communication graphics in the Leaving Certificate exam.
- Practical Manufacturing of Metal Components
- Anatomy
- Mathematics
- Biology

www.cit.ie/course/CR520

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

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Question Time

What is the difference between Biomedical Science and Biomedical Engineering?
Biomedical Engineering combines engineering principles with an appreciation of the functioning of the human body, whether healthy, injured or diseased in order to design and manufacture products or provide technical support. Biomedical engineers can work in hospitals, in manufacturing plants and in research and development environment.

Biomedical scientists investigate into samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients therefore, it is largely laboratory based.

What does a Biomedical Engineer produce?
Solutions to problems! Design of devices, instrumentation or processes in a clinical, manufacturing or research environment.

Is there a scholarship available for the course?
Yes. The CIT-DePuy scholarship was launched in 2012 and is worth €2,250 per year for the successful candidate. DePuy (a Johnson & Johnson company) is a major multi-national employer in the Cork region, manufacturing artificial joints in Ringaskiddy in Cork. DePuy's support for the scholarship is a major endorsement of the relevance of the course to the biomedical industry.

Has the course professional accreditation?
This BEng (Honours) course in Biomedical Engineering is fully accredited by Engineers Ireland for Chartered Engineer eligibility. This qualification meets the education standard for Chartered Engineer for graduates on or before 31/12/2012. For graduates after 1/1/2013 further learning is required to meet the education standard for Chartered Engineer. Engineers Ireland represents all engineering disciplines in Ireland and is a member of Federation Europeene d'Associations Nationales d'Ingenieurs (FEANI) through which Irish engineers are recognised in Europe. Engineers Ireland is a signatory to the Washington Accord through which Irish engineers are recognised in USA, Canada, Australia, New Zealand, Hong Kong, South Africa, and UK.

Are there any events I should attend to learn more about Biomedical Engineering?
CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, it is the largest exhibition of its kind in Ireland. Please see www.cit.ie 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 Level 8 Honours Degree & Postgraduate Programmes
▲ Higher Certificate Option

Application: CAO
Award Title: Bachelor of Engineering in Biomedical Engineering
Duration: 3 Years (6 Semesters)
Places: 40
CAO Points in 2013: **Round 1:** 280 / **Final:** 260

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
- Regulated Industries e.g. Healthcare/Food

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**

First Year at a Glance

- Material Science: understanding the nature and properties of engineering materials
- Mechanics: understanding the performance of engineering materials when subject to external loads and forces
- Thermo/Fluid Mechanics: application of hot and cold fluid systems in engineering
- CAD: computer-aided design similar to design and communication graphics in the Leaving Certificate exam
- Instrumentation: understanding the operation and behaviour of medical equipment and devices
- Anatomy
- Mathematics
- Communication Skills
- Biology

www.cit.ie/course/CR075

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

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Question Time

What does a Biomedical Engineer produce?
Medical devices, instrumentation, or processes in a clinical or manufacturing environment.

What is the difference between Biomedical Science and Biomedical Engineering?
Biomedical Engineering combines engineering principles with an appreciation of the functioning of the human body, whether healthy, injured or diseased in order to design and manufacture products or provide technical support. Biomedical engineers can work in hospitals, in manufacturing plants and in research and development environment.

Biomedical scientists investigate into samples of tissue and body fluids in order to diagnose disease and monitor the treatment of patients therefore, it is largely laboratory based.

Has the course professional accreditation?
This course in Biomedical Engineering is fully accredited by Engineers Ireland for Associate Engineer eligibility.

Are there any events I should attend to learn more about Biomedical Engineering?
CIT Bishopstown Campus hosts the Cork Mechanical, Manufacturing & Biomedical Engineering Annual Exhibition in April, it is the largest exhibition of its kind in Ireland. Please see www.cit.ie 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 Engineering (Honours)

CR 590 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Engineering (Honours) in Electronic Engineering
Duration: 4 Years (8 Semesters)
Places: 40 (between CR 590 and CR 061)
CAO Points in 2013: **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 Engineering?

Small, lightweight, portable devices like Smartphones and tablets combine wireless technology with processing power to provide internet, communications and leisure functionality while on the move. They are now driving how we live, work and play. Combining low power consumption with microchip design, telecommunication and control circuitry (hardware) and the operating system software, they are the ultimate electronic system. CIT's CR 590 programme is designed to equip engineers to work at this level.

Helpful Leaving Certificate Subjects

Engineering, Physics.

Potential Areas of Employment

- Test/Development/Design in Electronic Systems
- Telecomms Network Software/Hardware Design/ Support
- IT Software Development
- R & D in Product Development

myCIT myCourse

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

First Year at a Glance

- Year 1 is a good mix of practice and theory so on average that's about 12 hours in the class and 12 hours in the laboratory
- Theory: about how basic electronic circuits work, e.g. resistors, transistors, digital gates
- Software: how to write software
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build and test circuits. You will learn how to present your work, written and verbally

www.cit.ie/course/CR590

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 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

Michael Murray
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 21 November

Electronic Engineering

CR 061 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 235 / **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

Engineering, Physics.

Potential Areas of Employment

- Test/Development in Electronic Systems
- Telecomms Network Software/Hardware Service/ Support
- IT Software Development
- Product Development

myCIT myCourse

"I returned to college as a mature student and I was really impressed with the CR 061 course and in particular the lecturers are very friendly and always willing to help you out."
Anthony Moffat

First Year at a Glance

- Year 1 is a good mix of practice and theory so on average that's about 12 hours in the class and 12 hours in the laboratory
- Theory: about how basic electronic circuits work, e.g. resistors, transistors, digital gates
- Software: how to write software
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build and test circuits. You will learn how to present your work, written and verbally

www.cit.ie/course/CR061

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 engineering is 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

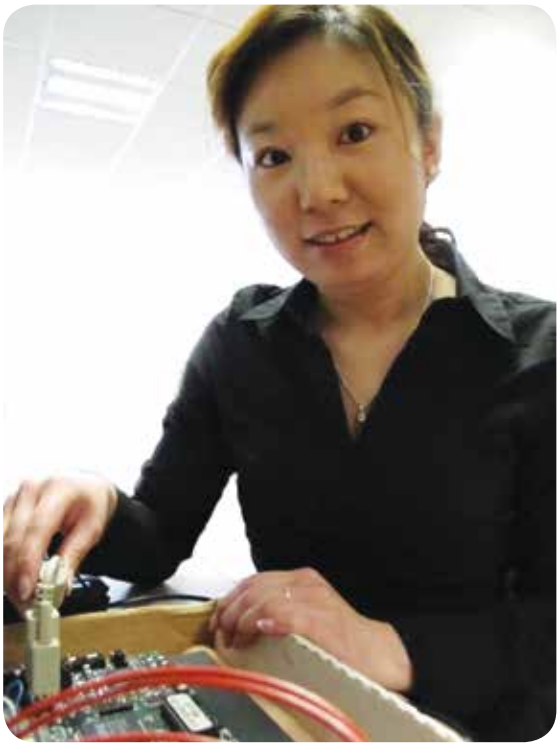
For details, see http://e-eng.cit.ie

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

→ Bachelor of Engineering (Honours) in Electronic 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

Michael O'Gorman
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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 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 Engineering (Honours)

CR 580 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Engineering (Honours) in Electrical Engineering
Duration: 4 Years (8 Semesters)
Places: 40 (between CR 580 & CR 062)
CAO Points in 2013: **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 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 engineers for this environment.

Helpful Leaving Certificate Subjects

Engineering, Physics.

Potential Areas of Employment

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

myCIT myCourse

“The Electrical Power Systems Degree course provides you with the technical, practical, and communication skills required to be a successful electrical engineer.”
Shane Kiely

First Year at a Glance

- Year 1 is a good mix of practice and theory so on average that's about 12 hours in the class and 12 hours in the laboratory
- Theory: how electricity is generated, transmitted and distributed and there are also classes in electronic circuits, writing programmes and CAD
- Mathematics: this is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and do measurements and also you will learn how to present your work, written and verbally

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 http://e-eng.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

Sean McShera
Department of Electrical & Electronic Engineering
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Question Time

Can I become an electrician?

No. An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to work at design/development level and then to liaise with skilled trades for implementation.

What is the difference between Electronic Engineering and Electrical Engineering?

Electronic Engineering is small scale, low voltage, component level, microchips and programming.

Electrical Engineering is high power, mains electricity, generation, power lines, transformers, motor/generators and automation.

What elements of renewable energy are covered in the course?

Modules dealing with all current renewable areas are dealt with on a mandatory basis because of their relevance. There is also an opportunity to explore these areas further through elective modules.

What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.

myCIT myCareer

Stephen Tracey
Power Engineer

"After graduation, I joined ESB Networks on a 3 year graduate engineer programme. I spent the first year on network data analysis and software design and the second year on Health & Safety IT Development, during which I attended UCD to complete a Diploma in Health & Safety in the workplace.

Currently, in Year 3, I am with ESB International designing and upgrading High Voltage Substations. The work is highly challenging and interesting and my studies prepared me well for it."

Electrical Engineering

CR 062 Level 7 Award

>> Progression to Level 8 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 2013: **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 Electrical Engineering?

Providing electrical power in a modern economy is about generation, distribution and usage in a safe, economic and sustainable way. Fossil fuel energy now combines with solar, wind and tidal energy to create "embedded" generation which needs a "smart grid" to automatically switch users and suppliers in and out while maintaining the quality of the supply. CIT's Electrical Engineering course is designed to equip technologists for this environment.

Helpful Leaving Certificate Subjects

Engineering, Physics.

Potential Areas of Employment

- Energy Generation/Transmission
- Building Supply/Installation/Services/Maintenance
- Commissioning
- Process/Automation Industry

myCIT myCourse

"CIT is a great place to study. Many of the lecturers have worked in industry and can convey real world skills through lectures, labs, and projects. They are very approachable if you have questions."
Eoin Hennebry

First Year at a Glance

- Year 1 is a good mix of practice and theory so on average that's about 12 hours in the class and 12 hours in the laboratory
- Theory: how electricity is generated, transmitted and distributed and there are also classes in electronic circuits, writing programmes and CAD
- Mathematics: This is required as everything in engineering has a formula which tells you how it works
- Laboratory work: you will build, test and do measurements and also you will learn how to present your work, written and verbally

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 http://e-eng.cit.ie

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

→ Bachelor of Engineering (Honours) in Electrical Engineering

Career Opportunities

Graduates will have acquired both the knowledge and the competence to work in generation and distribution of electrical energy, in the control of automated production systems with particular emphasis on power drives and aspects of robotic control, in the maintenance of Combined Heat and Power (CHP) and in embedded generation systems. Graduates will also have acquired the competence to work in the application and maintenance of renewable sources of electrical energy such as wind energy and fuel cells. Graduates can expect to find employment in the energy generation, transmission and grid control section of the market plus in the area of automation as utilised in modern processes.

Contact Information

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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 automation.

Has the course professional accreditation?

The Level 7 in Electrical Engineering is accredited by Engineers Ireland for Associate membership.

Can I become an electrician?

No. An electrician is a well-established trade which has its own development programme and its own target job market. Third level programmes are designed to equip graduates to deal with projects at design/development level and when approved/agreed, the work is implemented by skilled trades.

What elements of renewable energy are covered in the course?

Modules dealing with current renewable areas are dealt with on a mandatory basis because of their relevance. There is also an opportunity to explore these areas further through elective modules.

What level of Mathematics is required?

A grade D in Leaving Certificate Ordinary Level is the minimum requirement, however, a higher grade is recommended.

myCIT myCareer

Harry O'Farrell
Energy Consultant

"I completed my Level 7 in 2009 and Level 8 in 2010. I then joined Energy Services Ltd. in Cork who are energy consultants specialising in energy procurement, supply/demand side management internationally.

My projects so far include embedded generation, power transmission/distribution, including wind farms, and consumption monitoring and assessment at home, in Europe and as far away as Central Asia. My training as an electrician plus my undergraduate programmes have prepared me well for this work. Power/electrical engineering is an excellent career and there is significant demand for it."

Open Day 21 November

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 2013	Final Points 2013	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)	57	Honours Bachelor Degrees			30	345	345	6	2	D3 (H) or A2 (O)	D3 (O/H)		✔	✔
CR 109	Structural Engineering	59	Honours Bachelor Degree	4		20	400	400	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 051	Civil Engineering	61	Bachelor Degree	3	✔ (Ref.1)	40	220	220	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.13)	✔
CR 055	Environmental Engineering	63	Bachelor Degree	3		20	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)	✔		
CR 570	Quantity Surveying	67	Honours Bachelor Degree	4		20	275	275	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 572	Construction Management	65	Honours Bachelor Degree	4		20	245	245	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 052	Construction	69	Bachelor Degrees	3	✔ (Ref.1)	40	200	200	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.4/5)	✔	✔
CK 606	Architecture (CIT & UCC Joint Course) (Ref.6)	71	Honours Bachelor Degree	4		45	400	400	6	2	D3 (O/H)	D3 (O/H) in both Irish & English		✔	✔
CR 560	Architectural Technology	73	Honours Bachelor Degree	4		36-40*	285	285	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 090	Architectural Technology	75	Bachelor Degree	3		36-40*	220	220	5	0	D3 (O/H)	D3 (O/H)	✔	✔	✔
CR 565	Interior Architecture	77	Honours Bachelor Degree	4		40**	275	275	6	2	D3 (O/H)	D3 (O/H)		✔	
CR 053	Interior Architecture	79	Bachelor Degree	3		40**	205	205	5	0	D3 (O/H)	D3 (O/H)	✔	✔	
CR 077	Craft Technology (Wood) with Business	81	Bachelor Degree	3		20	225	225	5	0	D3 (O/H)	D3 (O/H)	✔		
CR 078	Craft Technology - Mechanical Services	83	Bachelor Degree	3		40	New Course	New Course	5	0	D3 (O/H)	D3 (O/H)	✔		
CR 105	Chemical & Biopharmaceutical Engineering	85	Honours Bachelor Degree	4		20	360	360	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 590	Electronic Engineering	101	Honours Bachelor Degree	4		40****	300	300	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 061	Electronic Engineering	103	Bachelor Degree	3	✔ (Ref.1)	40****	235	220	5	0	D3 (O/H)	D3 (O/H)	✔	✔	✔
CR 062	Electrical Engineering	107	Bachelor Degree	3	✔ (Ref.1)	40***	220	220	5	0	D3 (O/H)	D3 (O/H)	✔	✔	✔
CR 580	Electrical Engineering	105	Honours Bachelor Degree	4		40***	315	315	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 108	Mechanical Engineering	93	Honours Bachelor Degree	4		20	340	340	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 071	Mechanical Engineering	95	Bachelor Degree	3	✔ (Ref.1)	80	250	240	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.7/8/9)	✔
CR 510	Sustainable Energy Engineering	87	Honours Bachelor Degree	4		40	305	305	6	2	D3 (O/H)	D3 (O/H)		✔	✔
CR 520	Biomedical Engineering	97	Honours Bachelor Degree	4		40	440	440	6	2	C3 (H) or (Ref.3)	D3 (O/H)		✔	✔
CR 075	Biomedical Engineering	99	Bachelor Degree	3	✔ (Ref.1)	20	280	260	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.8/11)	✔
CR 072	Building Services Engineering	89	Bachelor Degree	3	✔ (Ref.1)	20	235	235	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.7/10/14)	✔
CR 046	Transport Management & Technology	91	Bachelor Degree	3	✔ (Ref.1)	40	210	210	5	0	D3 (O/H)	D3 (O/H)	✔	✔ (Ref.12)	✔

Ref.1 Students who successfully complete Year 2 of the Bachelor Degree Programme and do not wish to progress to Year 3, will receive a Higher Certificate Qualification.
Ref.2 On successful completion of the first year students can choose to enter the second year programme of their choice from CR 105 / CR 108 / CR 109 / CR 520.
Ref.3 The requirement for HC3 Mathematics may also be satisfied by HC3 in Applied Mathematics plus HD2 in Mathematics.
Ref.4 BSc in Construction Management
Ref.5 BSc in Quantity Surveying
Ref.6 The entry requirements for CK 606 Architecture are under review.
Ref.7 BSc (Honours) in Process Plant Technology
Ref.8 BSc (Honours) in Advanced Manufacturing Technology
Ref.9 BEng (Honours) in Mechanical Engineering
Ref.10 BEng (Honours) in Sustainable Energy Engineering
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 Engineering
* 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 Engineering.
**** There will be 40 first year places available between CR 061 Electronic Engineering and CR 590 Electronic Engineering.
NOTE: Round 1 Points 2014 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 Engineering

CR 805 BEng in Marine Electrotechnology

Follow on Honours Degree

Level 8

BSc (Honours) in Nautical Science

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 multipurpose hall, sporting facilities, and an all-weather pitch, 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 duties, the maritime industry also involves shipbuilding and ship repair, marine equipment companies, ports, surveying, administration services, insurance and law.

This major industry is looking for capable and enthusiastic people who are ready for responsibility and hard work, and who enjoy using the latest technology. You will become a key member of a highly qualified team, whether on a giant supertanker, a container ship, a cross-channel ferry, a cruise liner, a specialised vessel servicing the offshore oil industry or on a cargo ship. Opportunities at a senior level in management, marine administration, and many other marine related areas are plentiful and experienced marine personnel 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 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, an all-weather pitch, and a gym equipped for weight training. NMCI students registered with Cork Institute of Technology are entitled to avail of facilities and sports

clubs on the main campus in Bishopstown. There are very active diving and sailing clubs which use the facilities at NMCI, as well as soccer and rugby clubs.

The Learning Resource Centre (LRC) is a focal point for students outside the classroom environment. Here students can use the open access computers, read at individual study spaces and browse in the library.

Currently, the library has a book stock of approximately 4,000 volumes and this collection will be developed on an ongoing basis with support from Cork Institute of Technology and the Irish Naval Service as well as donations of funds and materials from external organisations. The library has a maritime focus and subjects covered range from law, meteorology and marine engineering to seamanship and navigation.

As a constituent college of Cork Institute of Technology, NMCI students can request materials from other CIT Libraries and can access online databases.

Student Accommodation

There is purpose built student accommodation available locally at Ferryview Park in Ringaskiddy which is approximately 10 minutes' walk from NMCI.

For further information please view www.ferryviewpark.com

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. NMCI offers preparatory courses for the mandatory certification examinations which are conducted by CIT on behalf of the Department of Transport, Tourism and Sport. Courses for senior or post degree personnel and other short courses are available for those who require to progress from the Officer of the Watch level to the Chief Engineer or Master level of Certificate of Competency.

Nautical Science

CR 094 Level 7 Award

>> Progression to Level 8 Honours Degree

Application: CAO
Award Title: Bachelor of Science in Nautical Science
Duration: 3 and a half Years including seatime
Places: 36
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2013: **Round 1:** 280 / **Final:** 280

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

Note 1: The programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/approved Shipping Company.

Note 2: Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

Note 3: Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

Note 4: Applicants should note that in order to qualify for an Officer of the Watch Certificate of Competency (CoC), the Department of Transport, Tourism and Sport has set additional criteria with respect to minimum pass marks, academic progression and students with dyslexia. Further details on these requirements are available on application to the Head, Department of Maritime Studies, NMCI.

What is Nautical Science?

Nautical Science has three main elements: Navigation and ship handling, in other words, the conning and control of a ship; the safe operation of a ship, including the protection of life and the environment; Shipboard administration, and the handling, loading and care of cargoes which may be as diverse as petroleum products, general cargo, or thousands of new cars or passengers.

Helpful Leaving Certificate Subjects

Mathematics, Science subjects, English, and Engineering.

Work Placement

There is a mandatory work placement of 12-15 months seatime in Year 2.

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

First Year at a Glance

- Navigation & Meteorology: an introduction to both celestial and terrestrial navigation, together with an understanding of meteorology, as it relates to the seafarer
- General Ship Knowledge: elements of ship construction, stability and cargo operations
- Applied Nautical Science: the application of science and physics as it relates to the marine environment
- Seamanship: the theory and practice of seamanship, having regard to safe working practices
- Introduction to Shipboard Safety: includes short-course elements relating to fire-fighting, sea survival, and first aid training
- Bridge Watchkeeping: an introduction to the theory and practice of keeping a safe navigational watch, having regard to the International Regulations for the Prevention of Collisions at Sea

www.cit.ie/course/CR094

Module Information http://modules.cit.ie/cr094

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

About the Course

This course is designed for those who wish to pursue a career as a Deck Officer aboard ship. It provides a comprehensive education in navigation and other ship board activities. Students who successfully complete Year 1 are expected to be placed in a commercial ship in Year 2, gaining fifteen months seatime for practical training experience, and to gain the necessary 'seatime' for the Department of Transport, Tourism and Sport Certificate of Competency. In addition, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI and the College cannot accept responsibility for difficulties in securing such placement.

Further Studies

For details, see www.cit.ie 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

Potential Areas of Employment

- Ship's Officer (from Junior Ranks to Captain)
- Harbour Pilot
- Coastal Boat/Shipping
- Educator in a Nautical Institution

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.

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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 training berth to sponsor me while I am in College?
The College endeavours to place all students on vessels. To-date it has been successful.

Do I have to work for the training berth once I graduate?
No. The commitment from the sponsoring companies usually ends upon graduation. However, a significant number of graduates go on to work as an officer with their sponsors.

How much sea going experience do I need before I can apply to sit for a Master's Ticket?
A minimum of 36 months sea-service is required to progress to Ship's Captain. With leave and further study requirements, this generally takes six to seven years to complete.

myCIT myCareer

Sinéad Reen
Master Mariner

After Sinéad commenced the Nautical Science Degree course, she worked on ships as a Navigating Officer to gain experience before returning to CIT to obtain qualifications as First Mate.

Sinéad qualified as a Master Mariner when she successfully completed her Department of Transport, Tourism and Sport professional examinations. She has the proud distinction of being the first woman to be issued with a Certificate of Competency as Master Mariner in Ireland.

Marine Engineering

CR 095 Level 7 Award

>> Progression to Chief Engineer Officer

Application: CAO
Award Title: Bachelor of Engineering in Marine Engineering
Duration: 4 Years including one year work placement
Places: 40
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2013: **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)

Note 1: The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/ approved Shipping Company.

Note 2: Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

Note 3: Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

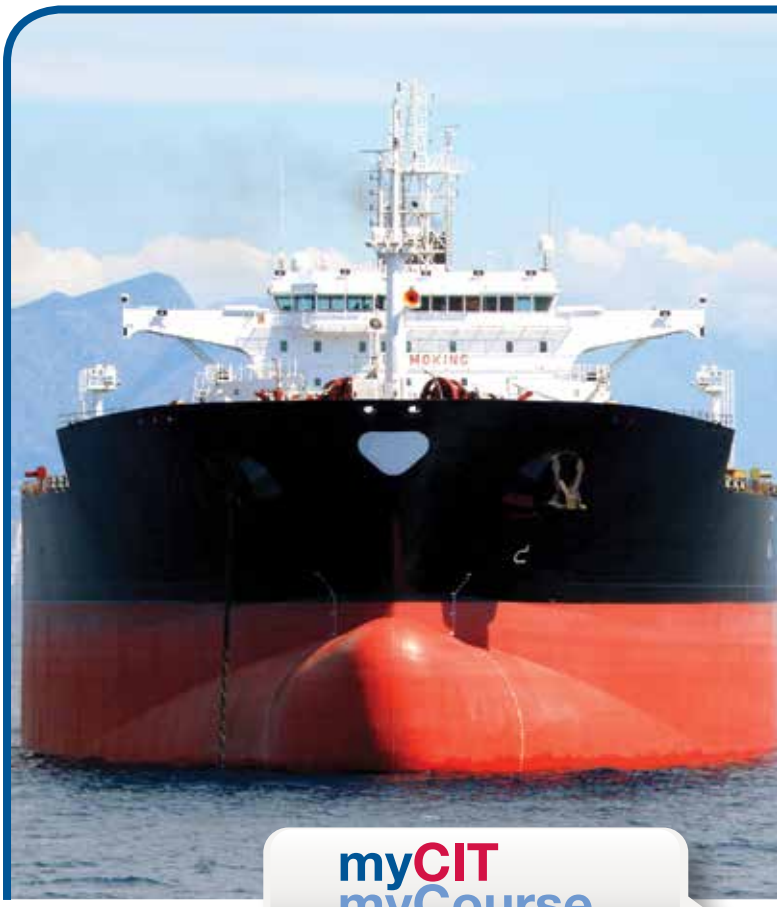
Note 4: Applicants should note that in order to qualify for an Officer of the Watch Certificate of Competency (CoC), the Department of Transport, Tourism and Sport has set additional criteria with respect to minimum pass marks, academic progression and students with dyslexia. Further details on these requirements are available on application to the Head, Department of Maritime Studies, NMCI.

What is Marine 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.



myCIT myCourse

"NMCI has great facilities from which to gain practical experience which I find invaluable for starting off my career at sea. Specialised training facilities are also available on the campus, for example fire fighting and sea survival training."
Tomas Crowley

First Year at a Glance

- Introduction to Marine Engineering: The principals and practical aspects of Marine Engineering systems found on a variety of vessels
- Physics for Marine Engineers: Giving an enhanced understanding of the physics principles underlying all engineering practice
- Mechanics 1: Basic principles of forces and movements that are fundamental to engineering design
- Mechanical Workshop 1: A practical workshop module which gives a fundamental understanding of materials and the fabrication of designed components
- Shipboard Management for ETO's (Electro Technical Officer): Introduces the student to the work based practices of an ETO and gives an understanding of maintenance systems, legislation and safe working practices

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.

Work Placement

On completion of Year 2, students partake in work placement at sea for a minimum of 9 months in a 14 month period.

Potential Areas of Employment

- Ship's Officer (from Junior Ranks to Chief Engineer)
- Shipping land based engineering support and vessel dry docking
- Power Plant Engineers
- Marine Consulting and Surveyors

About the Course

As well as lectures, training is provided in marine, electrical, welding and mechanical workshops, supplemented with practical work in the College engine room and simulation exercises in the machinery and cargo-handling simulation suites.

Students who successfully complete Year 1 and 2 are expected to be placed in a commercial ship, for practical training experience, and to gain the necessary 'seatime' for the Department of Transport, Tourism and Sport Certificate of Competency, in their third year. In addition while at sea, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI and the College cannot accept responsibility for difficulties in securing such placement.

Further Studies

For details, see www.nmci.ie

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 (CoC) 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.

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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 CoC?
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 + approx. 1 Year work placement
Places: 20
Location: National Maritime College of Ireland, Ringaskiddy, Co. Cork.
CAO Points in 2013: **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)

Note 1: The full programme is normally available only to Irish citizens and EU citizens who are ordinarily resident in Ireland unless prior support is obtained from a recognised/approved Shipping Company.

Note 2: Applicants for this course must pass the approved medical fitness and eyesight tests as specified by the Maritime Safety Directorate of the Department of Transport, Tourism and Sport and are recommended to attend a career advisory session. Offer of a place on the course will be subject to passing the Medical and Eyesight Tests at the time of offer.

Note 3: Applicants from non-EU countries will need to be sponsored and provide an IELTS score of 6.5, and also meet the medical requirements for a sea going career.

Note 4: Applicants should note that in order to qualify for an Officer of the Watch Certificate of Competency (CoC), the Department of Transport, Tourism and Sport has set additional criteria with respect to minimum pass marks, academic progression and students with dyslexia. Further details on these requirements are available on application to the Head, Department of Maritime Studies, NMCI.

What is Marine Electrotechnology

An Electro Technical Officer (ETO) operates, maintains and calibrates all electrical, electronic and ships equipment. The ETO's role is not restricted to the engine room and may also work on complex systems located throughout any vessel.

Helpful Leaving Certificate Subjects

Mathematics, Science subjects, Engineering, and English.

Work Placement

On completion of Year 2, students partake in work placement at sea for a minimum of 9 months in a 14 month period.

myCIT myCourse

"The course is very fulfilling, the subjects are incredibly relevant to the real world shipping industry and the training you will get is second to none in this country."
Jim Duffy

First Year at a Glance

- Introduction to Marine Engineering: The principals and practical aspects of Marine Engineering systems found in a variety of vessels
- Physics for Marine Engineers: Giving an enhanced understanding of the physics principles underlying all engineering practice
- Mechanics 1: Basic principles of forces and movements that are fundamental to engineering design
- Mechanical Workshop 1: This is a practical workshop module which gives a fundamental understanding of materials and the fabrication of designed components
- Shipboard Management for ETOs (Electro Technical Officer): Introduces the student to the work based practices of an ETO and gives an understanding of maintenance systems, legislation and safe working practices

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 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 theory 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 1 and 2 are expected to be placed on a commercial ship, for practical training experience, and to gain the necessary 'seatime' for the Department of Transport, Tourism and Sport Certificate of Competency, in their third year. In addition while at sea, they must complete a comprehensive workplace training programme including training records, journals and other documents associated with the training programme, as specified from time to time.

It should be noted that while every endeavour will be made to secure suitable sea training placement, this is outside the control of CIT/NMCI, and the College cannot accept responsibility for difficulties in securing such placement.

Further Studies

For details, see www.nmci.ie

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.

Potential Areas of Employment

- Electro Technical Officers
- Marine Electronic Maintenance

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

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Question Time

How successful is the college at securing work placement?
The College endeavours to place students with shipping companies and has been highly successful to date.

If I graduate with this Level 7 degree, can I further my studies in CIT as an Electronic or Electrical Engineer at Level 8?
CIT has a Recognition of Prior Learning System, detailed information at www.cit.ie/rpl. Applicants may be exempted from modules in courses which are similar.

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 2013	Final Points 2013	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	113	Bachelor Degree	3.5*		36	280	280	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔	✔	✔ (Ref.2)
CR 095	Marine Engineering	115	Bachelor Degree	4**		40	240	240	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔		✔ (Ref.3)
CR 805	Marine Electrotechnology	117	Bachelor Degree	4***		20	200	200	5	0	D3 (O/H)	D3 (O/H)	✔ (Ref.1)	✔	✔	✔ (Ref.4)

Ref.1 Applicants for this course must pass the approved Medical Fitness and Eyesight tests and are recommended to attend a Career Advisory Session.
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 094 is 3.5 years including seatime.
** Duration of CR 095 is 4 Years including 1 Year work placement.
*** Duration of CR 805 is 3 Years (6 Semesters) and approximately 1 Year work placement.

NOTE: Round 1 Points 2014 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) / 20 (Level 7)
CAO Points in 2013 for CR 305 Level 8: Round 1: 310 / **Final:** 310
CAO Points in 2013 for CR 300 Level 7: Round 1: 260 / **Final:** 260

Minimum Entry Requirements for CR 305 Leaving Certificate in 6 Subjects

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

Minimum Entry Requirements for CR 300 Leaving Certificate in 5 Subjects

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

What is Science?

Science refers to a system of acquiring knowledge. This system uses observation and experimentation to describe and explain natural phenomena. Science is an excellent career choice for those interested in understanding how the chemicals, foods and other products that we encounter in everyday life are designed and produced. From cures for life threatening illnesses, to environmental protection, to the design of new foods and space science, careers in science are varied and interesting.

Helpful Leaving Certificate Subjects

Mathematics, Physics, Chemistry.

First Year at a Glance

- Biology: study of fundamental building blocks of life
- Chemical Principles: study of general chemical interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry lab
- Mathematics: students use maths to problem solve
- Computing: enabling students to use technology in a chemistry environment

www.cit.ie/course/CR305 www.cit.ie/course/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

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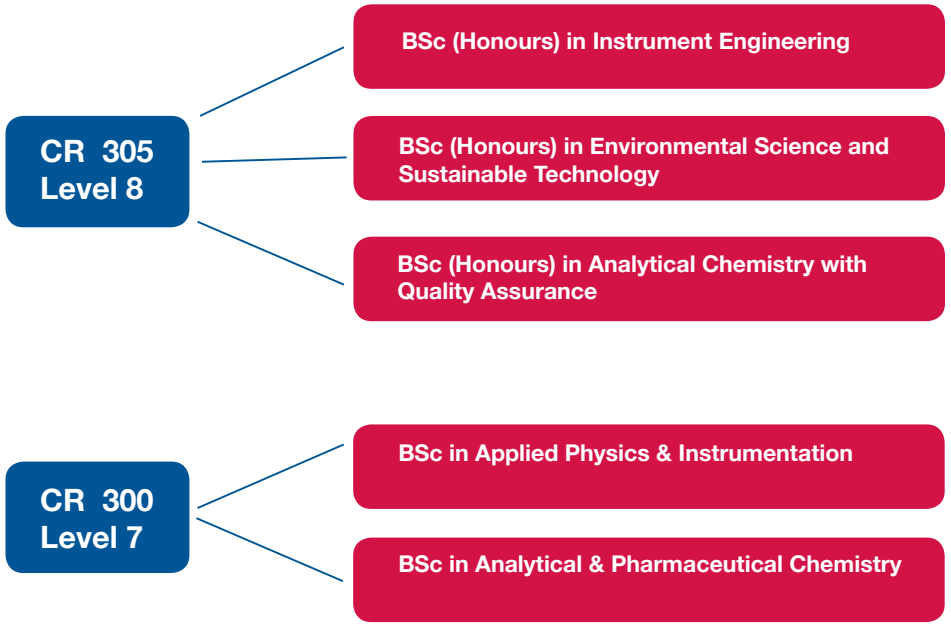
Question Time

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 2013: **Round 1:** 350 / **Final:** 350

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Analytical Chemistry?

The equipment of everyday life is made from raw materials. Chemists analyse and understand these raw materials to determine efficient and safe ways of transforming them into useful products, develop new products and materials, and monitor production processes to ensure the quality of finished products.

Analytical Chemistry is the speciality dealing with devising, selecting, and using methods for determining the identity and quantity of chemical components of materials. Many important materials, such as biological samples or drugs and medicines, have key components that are present at very low levels or concentrations, and many sophisticated techniques have been developed for their detection and analysis.

Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, Biology.

Work Placement

A mandatory work placement of a minimum of 10 weeks takes place in Year 3.

Potential Areas of Employment

- Laboratory Analyst
- Quality Management, Regulatory Compliance
- Research
- Teaching
- Pharmaceutical Production

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

First Year at a Glance

- Chemical Principles: study of general chemical interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry lab
- Biology: study of fundamental building blocks of life
- Mathematics: students use maths to problem solve
- Computing: enabling students to use technology in a chemistry environment
- Biotechnology: providing an awareness of the commercialisation of life sciences e.g."creation of drugs from bugs"

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 satisfies the degree requirements of the Teaching Council. As with other recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

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 RÍSAM 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

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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 Level 8 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 2013: **Round 1:** 260 / **Final:** 260

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Analytical and Pharmaceutical Chemistry?

Chemistry is the fundamental science that deals with the "three Cs" – the composition of matter, the changes that transform matter, and the conditions under which those changes occur. The study of fundamental Chemistry allows us to increase our total knowledge and understanding of our universe, our environment, and indeed life itself. Applied Chemistry uses our understanding of fundamental Chemistry to improve the way in which we live, work, and develop.

Analytical chemistry deals with the great variety of methods used to identify and quantify the chemical components of materials, while pharmaceutical chemistry focuses on aspects of drug design, synthesis, and manufacture.

Helpful Leaving Certificate Subjects

Chemistry, Physics, Mathematics, Biology.

Work Placement

A mandatory work placement of a minimum of 10 weeks takes place in Year 3.

Potential Areas of Employment

- Chemical Laboratory Technician
- Laboratory Quality Assurance
- Product Development
- Pharmaceutical Production

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

First Year at a Glance

- Chemical Principles: study of general chemical interactions
- Physics: study of fundamental basis of energy, light and heat
- Laboratory Skills: understanding the basis for good laboratory practice in a chemistry lab
- Biology: study of fundamental building blocks of life
- Mathematics: students use maths to problem solve
- Computing: enabling students to use technology in a chemistry environment
- Biotechnology: providing an awareness of the commercialisation of life sciences e.g."creation of drugs from bugs"

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 recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

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 Guillaume Huyet
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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

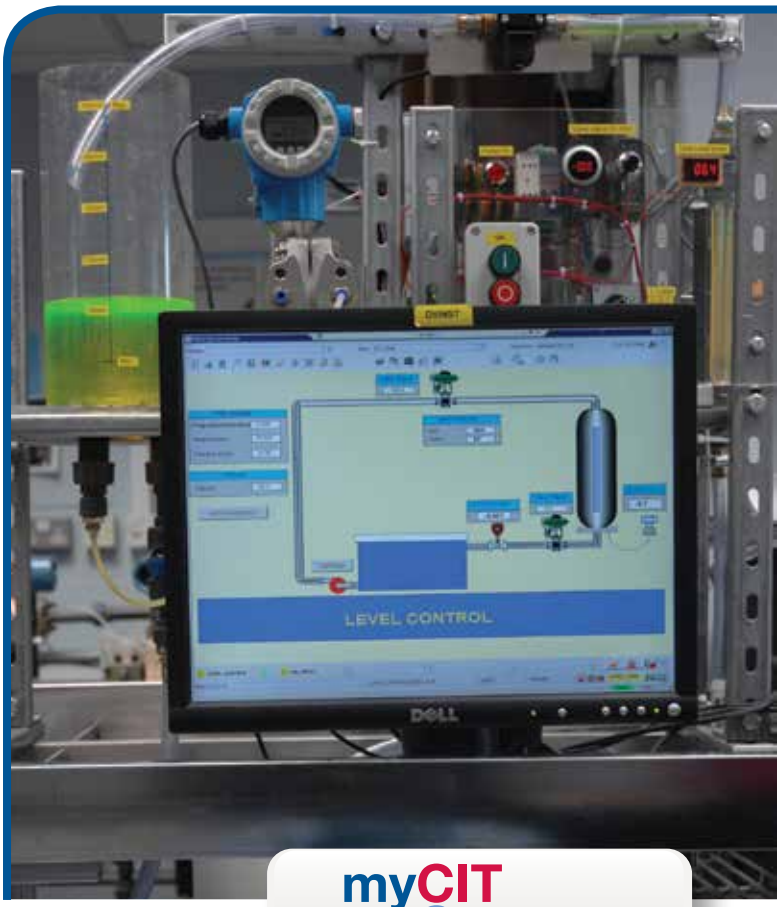
"I graduated with the BSc in Analytical and Pharmaceutical Chemistry, and then completed the BSc (Honours) ACQUA the following year. I then worked for Pfizer Ireland Pharmaceuticals, based in the Quality Control Laboratory as part of the finished products team.

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 2013: **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 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

First Year at a Glance

- Practical computer technology: the makeup of a modern personal computer and the role of computers in the laboratory and industry
- Mathematics: developing the tools for instrument calibration and automation
- Chemical principles: physical sciences to the fundamentals of atomic theory, chemical bonding, the periodic table, physical states of matter, and stoichiometric calculations
- Fundamental Physics: an introductory course comprising foundation physics topics relevant to all fields of science
- Sensors and Systems: the components of measurement systems using a variety of sensors
- Measurement and Calibration of sensors used for industry

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

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Question Time

Is this a Science course or an Engineering Course?
This is a multi-disciplinary course with a mix of science and engineering modules. This broad base provides graduates with a skill-set that provides a wide range of employment opportunities and the ability to adapt to rapidly changing technologies.

What level of Mathematics is recommended?
Honours Mathematics is not required, but as with all physical science and engineering courses numeracy is essential and you need to be comfortable with Mathematics.

What personal skills are most suited to the course and subsequent careers?
Motivation, initiative, dependability, commitment, analytical ability.

What should my interests be?
How things work, problem-solving and meeting technical challenges.

Where am I likely to work?
There are excellent employment opportunities locally, nationally and internationally for graduates. These opportunities are in 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 2013: **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 Environmental Science & Sustainable Technology?

The protection of the environment and the promotion of sustainable development are central to national and global economies. As the world's industries and markets become greener, the need for scientists who specialise in environmental science and sustainable technology will continue to grow. The aim of this course is to produce graduate scientists for a range of interesting careers within the smart green economy.

Helpful Leaving Certificate Subjects

Physics, Chemistry, Technology, Geography, Mathematics, and Biology.

Work Placement

There is a mandatory 8 week work placement in Year 3.

Potential Areas of Employment

- Green Consultancy
- Environmental Management
- Green Auditing
- Energy Auditing
- Carbon Footprint Reduction
- Waste and Emissions Reduction

myCIT myCourse

"I chose Environmental Science and Sustainable Technology due to the long term employment potential within the environmental sector. The course has provided me with an objective view of environmental and sustainable issues which will ultimately prepare me for my future career."
Barry O'Donovan

First Year at a Glance

- Environmental Science: an introduction to the scientific study of environmental systems
- Practical computer technology: the makeup of a modern personal computer and describe the role of computers in the laboratory and industry
- Mathematics: Developing the tools for environmental science and sustainable technology
- Chemical principles: physical sciences to the fundamentals of atomic theory, chemical bonding, the periodic table, physical states of matter, and stoichiometric calculations
- Fundamental Physics: an introductory course comprising foundation physics topics relevant to all fields of science
- Sustainable technology current and emerging techniques and technologies in materials and energy that underpin sustainability
- Measurement and Calibration of sensors used for environmental monitoring

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

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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 Level 8 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 2013: **Round 1:** 275 / **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 Applied Physics and Instrumentation?

As the science which deals with fundamental physical concepts, such as energy, force and time, physics is at the heart of everything in the natural world such as gravity, heat and light. Applied Physics is the term used when we apply these concepts, and thus Applied Physics is at the heart of everything in the man-made world. Instrumentation is the specific technology that allows us to measure and control a wide range of physical and other quantities that are essential to life today.

Safety, reliability, productivity, efficiency, sustainability and economy, for example, are underpinned by instrumentation. Communications, healthcare, oil & gas exploration, energy generation, transportation, food safety and research & development are examples of sectors that are increasingly dependent on instrumentation. Quite simply, instrumentation makes things happen!

Helpful Leaving Certificate Subjects

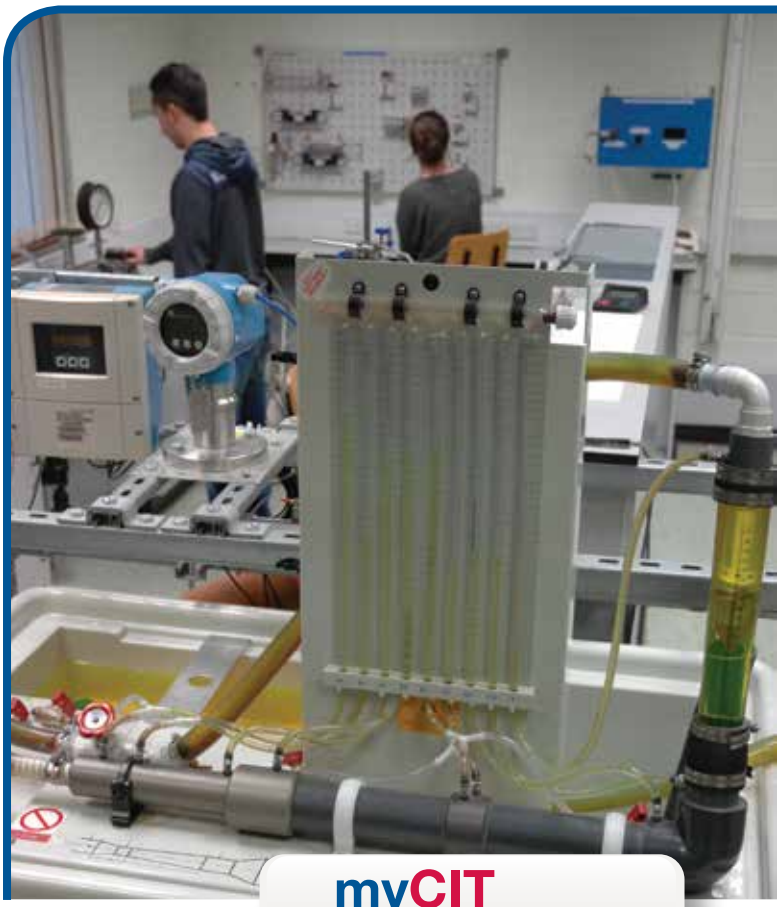
Physics, Engineering, Technology, Chemistry, and Mathematics.

Work Placement

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

Potential Areas of Employment

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



myCIT myCourse

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

First Year at a Glance

- Practical computer technology: the makeup of a modern personal computer and the role of computers in the laboratory and industry
- Mathematics: developing the tools for instrument calibration and automation
- Chemical principles: physical sciences to the fundamentals of atomic theory, chemical bonding, the periodic table, physical states of matter, and stoichiometric calculations
- Fundamental Physics: an introductory course comprising foundation physics topics relevant to all fields of Science.
- Sensors and Systems: the components of measurement systems using a variety of sensors
- Measurement and Calibration of sensors used for industry

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 & Instrumentation satisfies the degree requirements of the Teaching Council. As with other recognised degrees, a postgraduate programme of Initial Teaching Education, accredited by the Teaching Council, consisting of two years full time study or 120 ECTS credits must subsequently be completed to be eligible for registration with the Teaching Council.

Career Opportunities

Whilst many of the graduates of this course progress to an Honours Degree, there are many immediate employment opportunities locally, nationally and internationally. Graduates typically work as junior instrument, control or automation engineers, metrology specialists, calibration specialists and research and development technologists.

Contact Information

Richard Peard
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Question Time

Is this course an extension of Leaving Certificate Physics?

Whilst Physics at Leaving Certificate level is helpful, it is not essential as the key content in Physics is covered in Year 1 of the course.

What personal skills are most suited to the course and subsequent careers?

Motivation, initiative, dependability, commitment, and analytical ability.

What should my interests be?

How things work, problem-solving and meeting technical challenges.

Where am I likely to work?

There are excellent employment opportunities locally, nationally and internationally for graduates in Applied Physics and Instrumentation. Whilst many of these opportunities are in 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."

Applied Biosciences

CR 006 Level 7 Award

>> Progression to Level 8 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 2013: **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 Applied Biosciences?

Applied Biosciences is the study of complex biological systems, and how they work, for example how bacteria generate energy from the breakdown of sugars. Applied Biosciences also involves the use of living organisms and bioprocesses in engineering, technology, medicine and agriculture – in other words, the application of scientific and technical advances in the life sciences to develop commercial products.

Helpful Leaving Certificate Subjects

Chemistry, Biology, Physics and Mathematics.

Work Placement

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

Possible Areas of Employment

- Pharmaceutical Industry
- Food and Healthcare Industries

myCIT myCourse

"The course provides a fantastic range of both lectures and labs that are delivered by dedicated and approachable lecturers who are both interested in what they teach and up-to-date in their course material. The work placement element in Year 3 provides a great opportunity to experience a real working environment."
Chloe Huseyin

First Year at a Glance

As well as learning the main core science subjects in first year, new students will also be exposed to modules in Biotechnology and Food and Healthcare. The student will have the opportunity to study the different aspects of the following areas:
Biotechnology: the application of biological systems to produce useful products.
Food Science: the science relating to the production of high quality, safe and nutritious food.

There is a very significant emphasis placed on the practical laboratory aspect of the modules studied in first year, where the students are expected to perform experimental investigations under supervision, collate data, interpret results, and write scientific reports.

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, healthcare, 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

Anna Murphy
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.

myCIT myCareer

Dr Mark Fenton
Bioprocess Scientist

"I completed the BSc (Hons) in Applied Biosciences in 2006 and qualified for a research grant from Science Foundation Ireland. I joined the research group in CIT's Department of Biological Sciences. Here, I undertook research into the purification, characterisation and therapeutic applications of a novel cloned protein for the control of antibiotic resistant bacteria, namely MRSA.

In 2011, on completion of my PhD, I began work as a Bioprocess Scientist at Eli Lilly. This role involves technical support and writing to support the development, validation, and commercialisation of novel biomedicines for the treatment of a range of diseases from diabetes to cancer.

I had encountered and gained valuable practical experience to many of these topics during both my undergraduate and postgraduate studies in CIT."

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 2013: **Round 1:** 520 / **Final:** 520

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

Note 1: A C3 at Higher Level must be obtained in a Laboratory Science subject (from Chemistry, Physics, Biology or Physics and Chemistry (joint)).
NB: Agricultural Science is accepted as a subject and attracts CAO points, but does not meet the requirement for the Laboratory Science Higher C3 subject.

What is Biomedical Science?

Biomedical Science is the term for the investigations carried out by Biomedical Scientists on samples of tissue and body fluids to diagnose disease and monitor the treatment of patients.

Helpful Leaving Certificate Subjects

Chemistry, Biology, Physics, Mathematics and English.

Work Placement

This work placement (clinical placement) is offered post-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

First Year at a Glance

As well as learning the main core science subjects in first year, new students will also be exposed to the following disciplines:

- Clinical Biochemistry: study of the chemical profiles of body fluids in normal and diseased states
- Haematology: study of blood cells in the normal and diseased individual
- Histology/Histopathology: study of cells and cellular arrangement in normal and cancerous tissue
- Diagnostic Microbiology: study of microorganisms encountered in infectious diseases
- Transfusion Science: the science relating to transfusing fluid (as blood) into a vein or artery
- Health Science: introduction to a selection of "hot topics" relating to health

www.cit.ie/course/CR320

Module Information http://modules.cit.ie/cr320

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

About the Course

This Honours Degree course is offered jointly by Cork Institute of Technology and University College Cork. Biomedical scientists work in partnership with doctors and other health-care professionals to perform many different roles in medical laboratories. Biomedical Science is a continually changing dynamic profession and involves study of the diverse areas of medical science including Biochemistry, Microbiology, Cellular Pathology, Haematology and Transfusion Science. It provides training in state-of-the-art technologies to facilitate investigation of disease and medical research.

Accreditation

This Honours Degree course with clinical placement is fully accredited by the Academy of Medical Laboratory Sciences (AMLS).

Further Studies

For details, see www.cit.ie

The CIT/UCC joint BSc (Honours) Degree in Biomedical Science is one of only three Honours Degrees in the Republic of Ireland which are recognised by the Academy of Medical Laboratory Sciences (professional body) as enabling graduates to practise in hospitals in the State. However, this BSc (Honours) must be accompanied by clinical placement training. Graduates of the BSc (Honours) will be offered the opportunity to complete this placement in a designated hospital laboratory.

Suitably qualified graduates are eligible to apply for a postgraduate degree at CIT:

- MSc in Biomedical Science (Taught)
- MSc in Computational Biology (Taught)
- MSc (by Research)
- PhD

Career Opportunities

Biomedical Science prepares the student for a career in laboratory medicine and related areas in the health-care industry and biopharmaceutical industry. Biomedical Science graduates work as Medical Scientists in hospitals, and in research, the biopharmaceutical and biotechnology industries, public health and sales and marketing of medical products.

Contact Information

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Question Time

What do you need to work as a Biomedical Scientist in Ireland?

Graduates with a BSc (Honours) in Biomedical Science from CIT/UCC, GMIT, or DIT, who have completed clinical placement are eligible for membership of the Academy of Medical Laboratory Science, which qualifies the graduate to practice as a Biomedical Scientist.

Is it an advantage to have Chemistry and Physics coming into the course?

It is always an advantage to have Chemistry and Physics coming into a course such as Biomedical Science. However, it is feasible to take up one or both of these subjects on entry to the course, and the first year programme is tailored to support students who enter the programme without prior knowledge of these subjects.

What kind of person should you be?

This profession requires scientists who are mindful of their responsibility when dealing with human health. It also means that they are often privy to information concerning patients that they cannot divulge for ethical reasons other than in the course of their work.

What is the time divide between CIT and UCC?

The programme for the BSc (Honours) in Biomedical Science is taught equally by CIT and UCC, so this means that the students will expect to spend some days in one institution or the other. The timetable is arranged to minimise travel between the two colleges.

myCIT myCareer

Dr Annmarie Mollaghan
Medical Scientist

Having completed the BSc (Honours) in Biomedical Science in Cork, Annmarie began work as a Medical Scientist in the Microbiology Department of St. James's Hospital in Dublin until she embarked on a postgraduate research scholarship at CIT in 2008.

During the intervening period, until her graduation in October 2011 with a PhD in Molecular Biology, Annmarie also undertook short part-time locum positions as a Medical Scientist in the Irish Blood Transfusion Service (IBTS) in Cork, and in the Microbiology Department of the Bon Secours Hospital in Cork. She currently works as a Medical Scientist in the Microbiology Department of the Cork University Hospital.

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 2013: **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 Herbal Science?

The Herbal Science programme covers all aspects of herbs and natural products with applications in the healthcare, food, cosmetic and biopharmaceutical industries.

Helpful Leaving Certificate Subjects

Biology, Chemistry and Mathematics.

Work Placement

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

Non-Standard Applicants

Encouragement will be given to non-standard applicants, including mature students, to enter the course. In the case of these applicants, their academic qualification and recognised prior learning (RPL) will be assessed and evaluated by the Department of Biological Sciences. It is anticipated that up to 30% of places will be offered to non-standard applicants.

Potential Areas of Employment

- Healthcare, Biopharmaceutical and Cosmetic Industry
- Food and Nutraceutical Industry
- Plant Production and Natural Product Ingredient Manufacture
- Clinical Herbal Medicine after further training

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

First Year at a Glance

Herbal Science covers the science of natural products and their use in human and animal food, medicinal and healthcare products. The first year is the foundation on which you build your skills and includes topics in:

- Understanding the natural product industry from functional foods to medicinal, healthcare and cosmetic products
- Plant science and their use as natural products
- Human biology and health
- Microbiology
- Laboratory practical skills
- Fundamentals of maths and chemistry

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

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Department of Biological Sciences
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Question Time

When I graduate, will I be based in a Lab?

Graduates can work in a variety of settings from growing herbs and extracting natural products to manufacturing and production in a range of industries (cosmetic, biopharmaceutical, food, etc.). You can 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."

Open Day 21 November

Nutrition & Health Science (Honours)

CR 333 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Science (Honours) in Nutrition & Health Science
Duration: 4 Years (8 Semesters)
Places: 40
CAO Points in 2013: **Round 1:** 345 / **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	D3 (O/H)	D3 (O/H)

What is Nutrition & Health Science?

This course is designed to meet the need for technically competent managers, analysts and officers in the design, development, production, and upgrading of products which are ingested, injected, implanted, inhaled, inserted or topically applied to the bodies of humans or animals for the maintenance, restoration and promotion of their health and wellbeing.

Helpful Leaving Certificate Subjects

Biology and Chemistry.

Work Placement

There is work 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

myCIT myCourse

"I'm delighted I chose this science course as it is very broad with modules ranging from Animal Physiology and Nutrition to Bio-Analytical Science. It offers great experience in laboratories where we get to carry out experiments nearly five days a week. It's always nice when a lecturer recognises you by name, something very common in CIT."
Anne Bourke

First Year at a Glance

As well as learning the main core science subjects in first year, new students will also be exposed to the following:

- Studying the different groups of food and healthcare products produced in industry
- Evaluating the role of food in the health, wellness and nutrition space
- Describing the basic principles of sports and exercise nutrition
- Performing experimental laboratory procedures on different food and healthcare products

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 postgraduate 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
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Question Time

Can I become a Dietician from CR 333?
Completion of the BSc (Honours) in Nutrition & Health Science does not qualify the graduate to practice as a Dietician. However, graduates of the course CR 333 can undertake further studies in other third-level institutes to pursue a career as a Dietician.

What personal skills are most suited to the course and subsequent careers?
Individuals pursuing a career in Nutrition & Health Science should be dedicated, logical, analytically minded, good with people, a team player, have good attention to detail and excellent organisational skills.

myCIT
myCareer

Julie Grace
Postgraduate Student

"I found first and second year covered a wide range of subjects which gave me a great understanding and foundation in Nutrition & Health Science.

I gained excellent laboratory experience, which I was able to demonstrate in my third year work placement in Canada. I am currently studying for a Master's in Food Science, from which I hope to gain employment in the area of quality assurance in a food related industry.

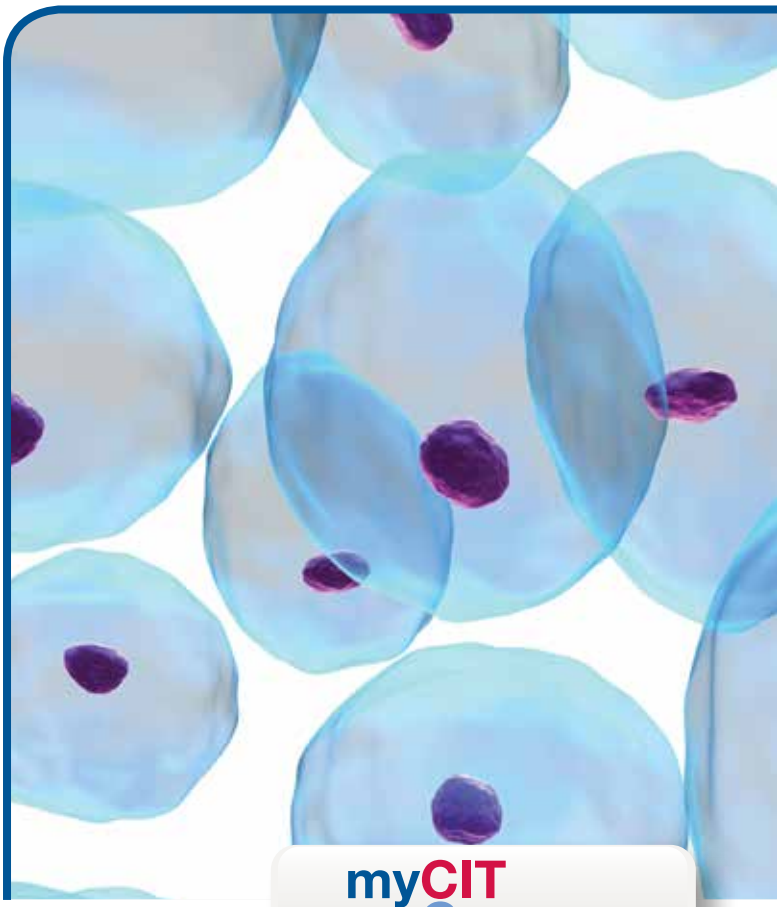
Overall, I would highly recommend this course and thoroughly enjoyed my time in CIT."

Open Day 21 November

Pharmaceutical Biotechnology (Honours)

CR 325 Level 8 Award

>> Progression to Postgraduate Programmes



Application: CAO
Award Title: Bachelor of Science (Honours) in Pharmaceutical Biotechnology
Duration: 4 Years (8 Semesters)
Places: 25
CAO Points in 2013: **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 Pharmaceutical Biotechnology?

Many modern medicines such as vaccines, hormones, anti-cancer drugs are now made using biological cells. Insulin for example, which is used by diabetic patients worldwide is made using living cells as opposed to more traditional chemical synthesis based methods. This means there is a strong demand for biologists who can design innovative new medicines using biological approaches, and who have the skills to work with cells and the bio-active compounds they produce. This biotechnology course will teach students how to grow and engineer biological cells in order to make safe and effective medicines using the most up-to-date information and technologies available.

Helpful Leaving Certificate Subjects

Biology and Chemistry.

Work Placement

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

Potential Areas of Employment

- QC Analyst
- Microbiologist
- Bio-assay Specialist
- Research and Development

myCIT myCourse

"This course provides you with great career opportunities. After graduation, I qualified for a research grant which allowed me to pursue my dream of getting a PhD."
Monika Koziel

First Year at a Glance

As well as learning the main core science subjects in first year, new students will also be exposed to the following:

- Growing biological cells: what makes biological cells healthy and how are they grown in a laboratory
- How do cells work: what structures are needed by cells to stay alive
- Working with DNA: what is DNA and how can we use it in biotechnology
- Making biological medicines: learn the basics of how cells can be used to make modern medicines
- Laboratory studies: use the latest equipment and technologies in a modern laboratory facility
- Experimental analysis: carry out your own experiments in a laboratory setting and learn how to create and analyse your own data

www.cit.ie/course/CR325

Module Information http://modules.cit.ie/cr325

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

About the Course

The course content is specifically designed to meet the needs of the many relevant employers both nationally and internationally, and contains topical, cutting edge, industry specific material. The lectures are supplemented with in-depth analysis of relevant case studies, projects, assignments, interactive videos, web tools and site visits. At least 50% of the contact time is spent in the laboratory gaining practical experience.

Work Placement is a mandatory part of this course. In Year 3, students will spend a minimum of 16 weeks in a local, national or internationally approved work environment.

Many of the world's top Biotechnology companies have a strong presence in Ireland. In general, the industry is moving towards a more "bio–based" approach to pharmaceutical manufacture. Consequently, there is a greater need to produce highly trained graduates who possess Pharmaceutical Biotechnology related skills. This course is designed to specifically meet this need.

Further Studies

For details, see www.cit.ie

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
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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."

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: 40
CAO Points in 2013: **Round 1:** 300 / **Final:** 300

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or B3 (O)	D3 (O/H)

What is Software Development?

Software Development courses provide graduates with the skills and knowledge to design and create the applications that people use every day. People use applications on computers, phones, internet and other devices.

Helpful Leaving Certificate Subjects

English, Science, Mathematics, and Engineering.

Work Placement

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

Possible Areas of Employment

- Software Developer
- Web Developer
- Software Testing

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

First Year at a Glance

This course teaches you to Engineer Software Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java.
- Hardware components of computing and how they interact.
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

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.

Can I work in the Games Development Industry with this course?
Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.

myCIT
myCareer

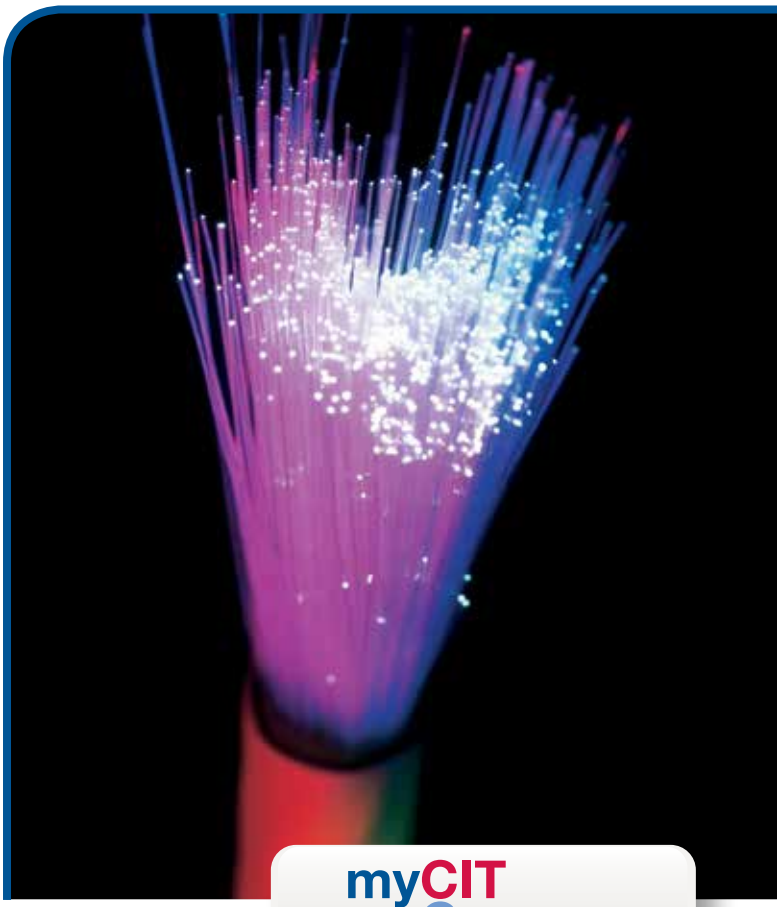
Garry Bennett
Company Owner

"My first employment was with Yahoo! as a Junior Developer and within one year, I was promoted to Senior Developer. Another year on, I was promoted to Engineering Manager for the Travel and Autos categories. After 4 years with Yahoo!, I moved to Sydney and worked as Project Manager with a leading web development company – SydneyWeb. Due to my experience, I was entrusted with some of its largest and more complex projects which I found very rewarding. I returned to Ireland in December 2007 and launched www.mytown.ie. 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 2013: **Round 1:** 305 / **Final:** 305

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

Subjects D3 (O/H)	Subjects C3 (H)	Maths Grade	English or Irish Grade
4	2	D3 (H) or B3 (O)	D3 (O/H)

What is Software Development and Computer Networking?

This is a bi-focal course with equal emphasis on Software Development and Computer Networking. The aim of the programme is to produce software developers with general computing skills but with an emphasis on programming, analysis and design skills necessary for the creation of network/internet based applications. Graduates may also find employment in a wide range of industries as networking specialists.

Helpful Leaving Certificate Subjects

English, Science, Mathematics, and Engineering.

Work Placement

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

Possible Areas of Employment

- Software Development
- Network Engineering
- Software Testing
- IT Support

myCIT myCourse

"The diversity in the skills taught in this course will be of a huge benefit of whichever career path I choose after college. The modules delivered in the first three years really prepared me for my work placement. The experience and self-growth have benefitted my final year, and will continue to into my career."
Neil Feeney

First Year at a Glance

This course teaches you to Engineer Software Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java
- Hardware components of computing and how they interact
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

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
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Question Time

What makes CR 116 different from the other Computing Honours Degrees at CIT?
It has a stronger hardware and telecommunications emphasis, and uses mathematical abilities more.

What level of Programming is contained in the course?
Programming and Software Development are a crucial part of the course, accounting for roughly a quarter of the mandatory modules.

Can I design and develop websites from this course?
Yes, although it is not a primary focus of the course. The programming skills you will learn can be applied to web development, and the Web Development Fundamentals and Web Publishing modules in first year can be built on through choosing elective modules in Web Development in later years.

Can I go on to specialise in Cloud Computing?
Yes, having graduated with a BSc (Honours) in Software Development and Networking, it is possible to apply for entry to the taught MSc in Cloud Computing.

Can I work in the Games Development Industry with this course?
Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.

myCIT myCareer

Donal Lynch
Software Engineer

"The work placement was of great benefit in which I was very fortunate to get the opportunity to work with Cisco Systems in San José, California. This was definitely one of the highlights of my four years spent in CIT.

Upon graduation, I rejoined Cisco Systems as a software engineer, this time in its newly established Research & Development Centre based in Galway. I'm currently working in the Unified Communications Business Unit where I apply both my knowledge on networking protocols and software design and development, all of which I acquired during my time spent in CIT."

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: 30
CAO Points in 2013: **Round 1:** 290 / **Final:** 290

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is IT Management?

IT Management is concerned with managing the IT services required by organisations. It is primarily focused on managing and implementing the IT infrastructure that provides these IT Services.

Helpful Leaving Certificate Subjects

English, Science, Mathematics, Engineering and Business Studies.

Work Placement

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

Possible Areas of Employment

- IT Project Manager
- IT Security Engineer
- Network Manager
- System Manager

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

myCIT myCourse

"I was always interested in technology and computers so I knew IT Management would suit me. I liked the course because there were both technical and management modules which gave me more opportunities for work when I graduated. With the work placement, I gained additional skills and the experience of working in a large IT department."
Valerie Murphy

First Year at a Glance

This course teaches you to Build and Manage IT Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java
- Hardware components of computing and how they interact
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

www.cit.ie/course/CR310

Module Information http://modules.cit.ie/cr310

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

About the Course

This course is designed to provide the graduate with both the management and technical skills to work in a wide range of organisations.

At a time when organisations' reliance on IT grows more critical, there is an increasing demand for graduates with the skills required to manage IT services and implement complex projects. This programme is specifically designed to address this need.

In Year 3, the work placement runs from April to August inclusive. Placements for students are organised on a country-wide basis with a particular focus on Cork and Dublin. Students may also choose to work abroad.

CIT has a long and successful association with the Erasmus programme. Every year, students travel to study at CIT from across Europe and many CIT students travel to study beyond our shores. The Department of Computing has strong links with institutions in Germany, Sweden, France, and Finland.

Further Studies

For details, see www.cit.ie

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.

Can I work in the Games Development Industry with this course?
While there may be scope within a games development team for a graduate from this course, a student who has a strong desire to work in that industry would be strongly advised to consider a software development degree.

myCIT myCareer

Olga Linek
Associate Network Engineer

"After I graduated with an Honours Bachelor of Science degree in Computer Services Management (retitled IT Management), I became employed as an Associate Network Engineer in EMC². In this role, I am responsible for configuring network devices, troubleshooting network issues and providing support to EMC² offices in Europe, the Middle East and Africa.

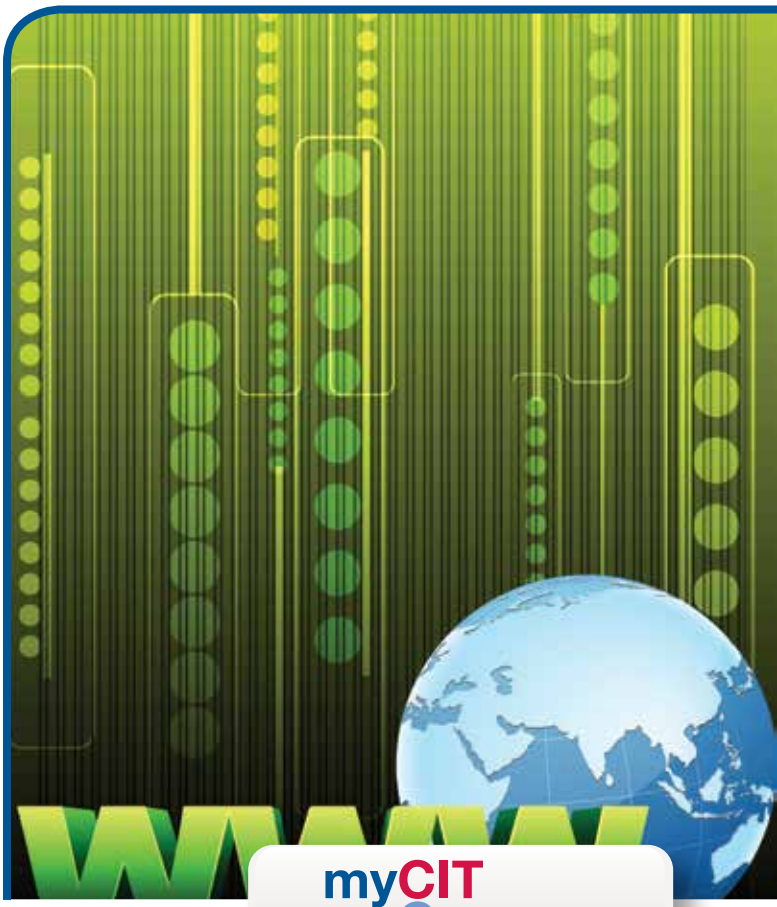
I found that the degree was very practical, which helped me gain valuable networking and programming skills and boosted my employability."

Open Day 21 November

Web Development (Honours)

CR 312 Level 8 Award

>> Progression to Postgraduate Programmes



Application: CAO
Award Title: Bachelor of Science (Honours) in Web Development
Duration: 4 Years (8 Semesters)
Places: 30
CAO Points in 2013: **Round 1:** 295 / **Final:** 295

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

What is Web Development?

Each time you visit a website on your computer or phone, you are seeing the work of a web developer. Web Development refers to the programming required to create websites and web applications. This course can be considered as software development for the web. Some examples would be Facebook, Youtube, Amazon, or basically any website you visit.

Helpful Leaving Certificate Subjects

English, Science, and Mathematics.

Work Placement

There is a mandatory work placement of a minimum of 13 weeks in Year 3 or study abroad.

Possible Areas of Employment

- Web Developer
- Software Developer/Programmer
- User Experience Developer
- Web Designer

myCIT myCourse

"Year 1 & 2 covered a wide range of topics that gave me a great understanding of computer science and entrepreneurship, which led me to be involved in multiple different start-ups. Thanks to the excellent support from the lecturers, I obtained guidance that led me onto win national awards. I thoroughly enjoyed and highly recommend this course."
Robert Gabriel

First Year at a Glance

This course teaches you to Engineer Software Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java
- Hardware components of computing and how they interact
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 8 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 8 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

www.cit.ie/course/CR312

Module Information http://modules.cit.ie/cr312

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

About the Course

The course has a strong focus on the use of current and emerging web technologies and on user experience. Besides the Web based modules, the course has a mix of general software development modules to produce a rounded and competent software developer.

In Year 3, students will study at a foreign university or spend a minimum of 13 weeks on work placement.The Department has links to many third level institutes in Europe and will advise students where study places may be found where the medium of instruction is English. Movement within the EU may be supported by the EU Erasmus programme.

In addition, CIT include modules on business, management and entrepreneurship to better prepare you for your career.

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for postgraduate research degrees at Master's (MSc) or Doctoral (PhD) level where further specialisation in your preferred area of computing is possible. Suitably qualified graduates may also apply to:

- Postgraduate Diploma in Networking and Security
- MSc in Software Development (Taught)
- MSc in Networking and Security (Taught)

Career Opportunities

There are a large number of companies in Ireland developing applications for the Internet. Web applications can be deployed on desktops, laptops, or mobile devices i.e. any device that can run a browser. Therefore, the trend in software is towards web based systems and the demand for qualified developers in the space is strong and growing.

Contact Information

Gary Couse
Department of Computing
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Question Time

What makes CR 312 different from the other Computing Honours Degrees at CIT?
The BSc (Honours) in Web Development is a specialised Degree. While it will teach the basic principles of software development (preparing you for a career in software engineering generally) it will also apply them to creating web applications in particular.

What level of Programming is contained in the course?
This is primarily a software development course. You will learn how to programme and, in particular, how to use your programming skills to create websites and web applications.

Can I design and develop websites from this course?
Yes, you will be taught the web standards and techniques required for creating websites (HTML, CSS, JavaScript) as well as the programming required to create web applications.

Can I go on to specialise in Cloud Computing?
The MSc in Cloud Computing requires a good knowledge of Networking and Virtualisation, so it would not be a recommended progression from Web Development.

Can I work in the Games Development Industry with this course?
Yes, the games industry requires interdisciplinary teams when developing new products. A graduate with good software development skills and in particular, programming skills would be a major asset to such a team.

Computing

CR 016 Level 7 Award

>> Progression to Level 8 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 2013: **Round 1:** 290 / **Final:** 290

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Computing?

Computing is the process of utilising computer technology to complete a task. Computing may involve computer hardware and/or software, but must involve some form of a computer system. Most individuals use some form of computing every day whether they realise it or not. Swiping a debit card, sending an email, or using a mobile phone can all be considered forms of computing.

Helpful Leaving Certificate Subjects

Science, Mathematics, Engineering, and English.

Possible Areas of Employment

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

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 7 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 7 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

myCIT myCourse

"I've built an impressive portfolio of work during this course, with websites, games, Android apps and even full desktop programmes, which helps me stand out as a developer. I also learned a wide variety of other skills that open up more career paths, like network engineering, database design, computer hardware and more."
Lee Coakley

First Year at a Glance

This course teaches you to Engineer Software Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java
- Hardware components of computing and how they interact.
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

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
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Question Time

What makes CR 016 different from the other Computing Honours Degrees at CIT?
CR 016 is a general all-round professional Computing Degree with the option of opting out in Year 2 with a Higher Certificate in Computing.

What level of Programming is contained in the course?
Programming and Software Engineering are a crucial part of the course and graduates will have reached the top of the intermediate level as can be seen from the projects produced by the students in Year 3.

Can I design and develop websites from this course?
You will learn about web publishing and development and will be designing and developing websites by the end of the course.

Will I be designing Apps?
You will complete a Mobile Application Development module in third year. This builds on the Java that you would have learned throughout the course.

Can I go on to specialise in Cloud Computing?
Once you have successfully reached the standard required, you can progress to the one year add-on BSc (Honours) in Cloud Computing.

Can I work in the Games Development Industry with this course?
Yes, the skills acquired in completing the course in software development and programming are very applicable to the games development industry.

myCIT
myCareer

William Lynn
Researcher

"I graduated with a Higher Certificate in Computing, and progressed to a BSc (Honours) in Software Development.

During this time, I developed a software product called Nextbus, which is an electronic bus timetable system that works on mobile devices. Nextbus won 3rd prize in the CIT Prize for Innovation.

It is a great course and I would recommend it to anybody who has an interest in the area of software."

William is currently working as a researcher in an interdisciplinary team studying the impact of climate change.

Information Technology Support

CR 888 Level 7 Award

>> Progression to Level 8 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: 40
CAO Points in 2013: **Round 1:** 250 / **Final:** 250

Minimum Entry Requirements
Leaving Certificate in 5 Subjects

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

What is Information Technology Support?

IT Support is concerned with implementing and maintaining the IT services and infrastructure required by organisations. It is primarily focused on supporting the computer hardware, networks, databases, web services and applications required to provide IT Services.

Helpful Leaving Certificate Subjects

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

Work Placement

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

Possible Areas of Employment

- IT Support Engineer
- Web Administrator
- Network Administrator
- System Administrator

myComputing myChoice

This course has been designed such that its first year modules are common with other Level 7 computing courses at CIT. Therefore, having successfully completed Year 1, a student may be eligible to transfer to another Level 7 CIT computing course. This flexibility allows a student to make a more informed decision one year into his/her studies.

myCIT myCourse

"IT Support proved a very rewarding course to undertake, socially & academically. The course modules are well designed, delivering a highly relevant skill set. I recommend this course to anyone who's thinking about a career in IT!"
Kenny Williams

First Year at a Glance

This course teaches you to Build and Manage IT Systems, areas you will study in first year include:

- Development of web pages
- Programming including coding in Java
- Hardware components of computing and how they interact
- Mathematics and Statistics
- How computer networks operate
- How to design software that people will find easy to learn and use

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
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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.

Can I work in the Games Development Industry with this course?
This course is not designed to equip its graduates with the skills needed in a developmental or programming role.

What level of Programming is contained in the course?
Programming is not the primary focus of this course. You will cover some basic programming modules in first year.

myCIT myCareer

Diarmuid Cronin
Infrastructure Engineer

Diarmuid completed the Higher Certificate in Information Technology Support attaining one of the awards for the best IT Support graduates in Ireland.

He followed this qualification by successfully completing the forerunner to the BSc in IT Support course by night, and then graduated with a BSc (Honours) in Computer Services Management.

Diarmuid currently works as a Level 111 Infrastructure Engineer contracted to Pfizer Pharmaceuticals, Cork.

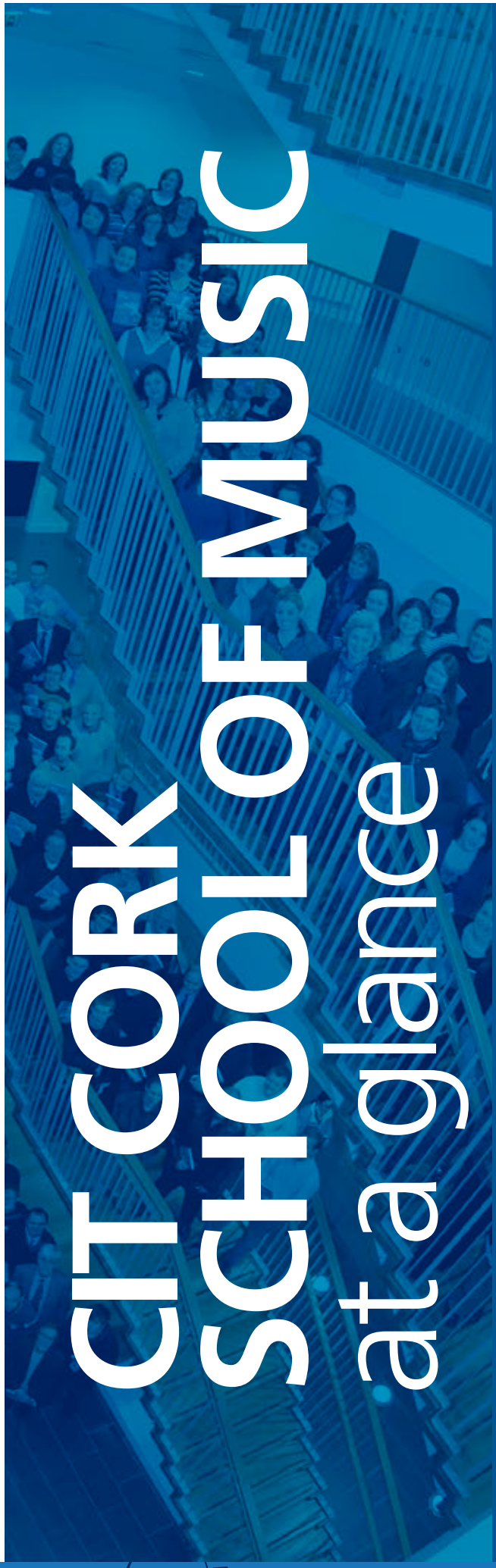
Open Day 21 November

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 2013	Final Points 2013	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)	121	Honours Bachelor Degrees			20	310	310	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 300	Physical Sciences (Common Entry Level 7) (Ref.3)	121	Bachelor Degrees			20	260	260	5	0	D3 (O/H)	D3 (O/H)			✔	✔	✔
CR 360	Instrument Engineering	127	Honours Bachelor Degree	4		20	330	330	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 365	Environmental Science & Sustainable Technology	129	Honours Bachelor Degree	4		20	300	300	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 001	Applied Physics & Instrumentation	131	Bachelor Degree	3	✔ (Ref.1)	20	275	255	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.7)	✔
CR 325	Pharmaceutical Biotechnology	141	Honours Bachelor Degree	4		25	315	315	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 333	Nutrition & Health Science	139	Honours Bachelor Degree	4		40	345	345	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 006	Applied Biosciences	133	Bachelor Degrees	3	✔ (Ref.1)	40	300	300	5	0	D3 (O/H)	D3 (O/H)			✔ (Ref. 4/5)	✔ (Ref. 10)	✔
CR 320	Biomedical Science (CIT & UCC Joint Course)	135	Honours Bachelor Degree	4		30	520	520	6	2	D3 (O/H)	D3 (O/H) in both Irish & English	C3 (H) in one Science Subject (Ref.6)			✔	✔
CR 330	Herbal Science	137	Honours Bachelor Degree	4		20	290	290	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 340	Analytical Chemistry with Quality Assurance	123	Honours Bachelor Degree	4		10	350	350	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 007	Analytical & Pharmaceutical Chemistry	125	Bachelor Degree	3	✔ (Ref.1)	20	260	260	5	0	D3 (O/H)	D3 (O/H)			✔	✔	✔
CR 106	Software Development	143	Honours Bachelor Degree	4		40	300	300	6	2	D3 (H) or B3 (O)	D3 (O/H)				✔	✔
CR 116	Software Development & Computer Networking	145	Honours Bachelor Degree	4		20	305	305	6	2	D3 (H) or B3 (O)	D3 (O/H)				✔	✔
CR 310	IT Management	147	Honours Bachelor Degree	4		30	290	290	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 312	Web Development	149	Honours Bachelor Degree	4		30	295	295	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 016	Computing	151	Bachelor Degree	3	✔ (Ref.1)	40	290	290	5	0	D3 (O/H)	D3 (O/H)			✔	✔ (Ref.8)	✔
CR 888	Information Technology Support	153	Bachelor Degree	3	✔ (Ref.1)	40	250	250	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 or 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
Ref.10 BSc (Honours) in Nutrition & Health Science OR BSc (Honours) in Pharmaceutical Biotechnology

NOTE: Round 1 Points 2014 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.

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, Advanced Recital, and Battle of the Bands 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 Junior Choir, 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, 18th April 2015. The BA (Honours) in Popular Music and the BA (Honours) in Theatre & Drama Studies Entrance Assessment Exams are provisionally scheduled to take place on Friday - Saturday, 17th - 18th April 2015. 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 to download (with audio-tracks) at http://www.cit.ie/course/CR121 or 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 to download (with audio-tracks) at http://www.cit.ie/course/CR121 or 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 2013: **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: Entrance Exam is also required.
Note 3: CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of applicants. It is important to note that participation in, or completion of, this programme may be affected by subsequent disclosure/ discovery.

What is Music?

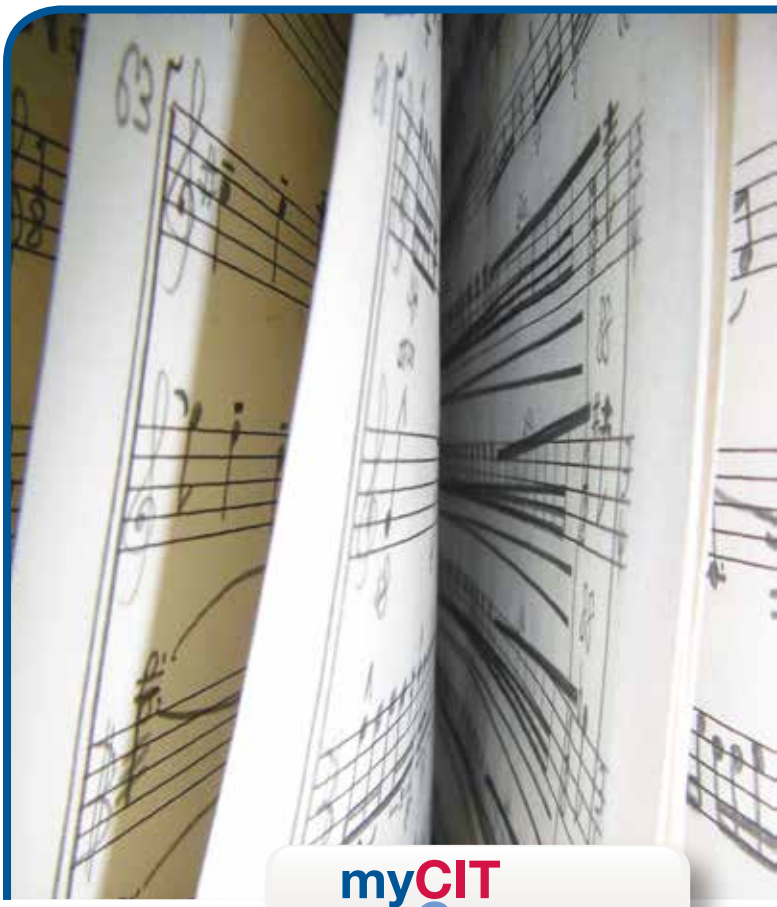
It is the art or science of combining sounds and silence in order to produce a form that is satisfying and emotionally stimulating. The study of music involves the enhancement of instrumental skills, theoretical learning and understanding, history, exploration of the social and therapeutic benefits of music making and listening, conducting, composition, orchestration, psychology, education, and use of technology.

Helpful Leaving Certificate Subjects

Music, and English.

Potential Areas of Employment

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



myCIT myCourse

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

First Year at a Glance

A comprehensive grounding in Musicianship and Technical Skills, encompassing individual Instrumental Tuition and both small and large ensemble participation, aligned with music literacy and aural development.

The Programme also offers the opportunity to engage with Music Technology and team building activities.

www.cit.ie/course/CR121

Module Information http://modules.cit.ie/cr121

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

About the Course

There are three mandatory skill-based modules which are taken in each Semester. The remaining electives may be selected from a wide choice of courses: Community Music, Composition, Conducting, Counterpoint, Education, History, Music Technology, Music Therapy, Orchestration, Performance, and Research. Instrumental tuition is delivered in one-to-one lessons according to best international practice. Other modules are delivered across a variety of labs, lectures, tutorials and workshops.

Further Studies

For details see www.cit.ie

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 provisional date for the Entrance Exam is Saturday, 18th April 2015.

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 2013: **CR 125 Round 1:** 615 / **Final:** 615
CR 126 Round 1: 765 / **Final:** 755
CR 127 Round 1: 795 / **Final:** 795
CR 128 Round 1: 720 / **Final:** 720
CR 129 Round 1: 820 / **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)

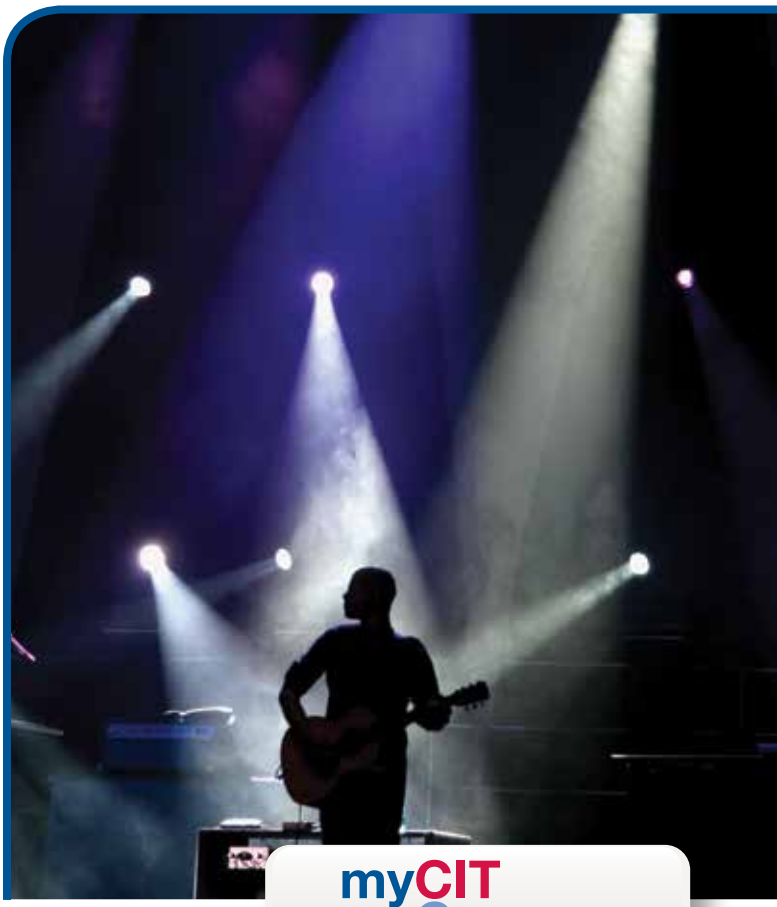
Note 1: There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).
Note 2: Entrance Exam is also required.

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.



myCIT myCourse

"During my time spent so far on the Popular Music Degree Course I have learned more than I ever thought possible, and have become a better musician. I now know exactly what career in music I wish to pursue and have been given the tools and the help I need to get there."
Barry Mangan

First Year at a Glance

- Contextual Harmony: provides a foundation in harmonic and notational skills required of the popular music professional and is delivered in the context of popular music history
- Popular Musicianship: provides intensive directed study in aural skills and an auxiliary instrument. For non-keyboard players the auxiliary instrument is keyboard, for keyboard players the auxiliary instrument is drum kit
- Popular Ensemble Workshop: provides practical performance-based engagement with popular music on the student's principal instrument-both in full band and small ensemble configurations
- Music & Technology: introduces the student to the recording studio, its equipment and procedures - while also developing the necessary skill set for the practical operation of live sound equipment

www.cit.ie/course/popularmusic

Module Information http://modules.cit.ie/popularmusic

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 Friday - Saturday, 17th - 18th April 2015.

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 2013: **Round 1:** 805 / **Final:** 720

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

Note 1: There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).
Note 2: Entrance Assessment is also required.

What is Theatre & Drama Studies?

Theatre & Drama Studies is a practice-based course for those intending to pursue a career in theatre or dramatic arts. Individual acting skills, voice production, ensemble performance and related theatre design and technical audio visual studies equip the student to work in live theatre, broadcast media or community-based arts facilitation.

Helpful Leaving Certificate Subject

English.

Work Placement

There is a mandatory 84 hours work placement over a minimum of 8 weeks in Year 3.

Potential Areas of Employment

- Actor
- Director/Producer
- Theatre Designer
- Theatre Technician
- Drama Teaching
- Community Arts
- Theatre in Education
- Arts Administration
- Film and Television

myCIT myCourse

"The course has a lot of opportunities and opens your eyes to all aspects of theatre and drama. The course also allows you to smash the boundaries of yourself."
Tara O'Connor

First Year at a Glance

- Performance Ensemble: performance studies focussing on the work of Stanislavski and Chekhov
- Voice Studies: freeing and strengthening the speaking voice and working with texts
- Theatre History & Text: theatre history from the age of Greek Theatre to that of Shakespeare
- Theatre Lab: movement and performance, focussing on improvisation and the work of Le Coq
- Theatre Technology: an introduction to theatre lighting and sound
- Costume and make-up: costume study and make-up design

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

Graduates will have the ability to pursue careers in the performing arts, education, arts administration, community arts, film and television media, and may also undertake further study in the area of drama, theatre and performance.

Contact Information

The Administrator,
CIT Cork School of Music,
Union Quay, Cork.
T: 021 480 7307
E: csminfo@cit.ie

Question Time

What personal skills are most suited to the course and subsequent careers?
A flair for dramatic performance and the ability to respond creatively to a variety of situations.

When I graduate from this Degree, what necessary steps do I need to take to be qualified to teach?
Graduates will be able to seek work as drama teachers in stage schools and various community arts organisations. They will need a further qualification to teach in Primary and Second level Schools.

Where can I obtain information about the Audition/ Assessment?
Further details and an assessment information pack are available from csminfo@cit.ie.

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 Friday - Saturday, 17th - 18th April 2015.

CIT Cork School of Music MASTER CHART

Course Code	Course Name	Page No.	Initial Award	Duration in Years	Higher Cert Step-off Available	No. of 1st Year Places	Round 1 Points 2013	Final Points 2013	MINIMUM ENTRY REQUIREMENTS: No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	INITIAL AWARD & PROGRESSION OPPORTUNITIES AT CIT: Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 121	Music*	161	Honours Bachelor Degree	4		30	Leaving Cert & Music Exam 700	Leaving Cert & Music Exam 700	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2/3/4)			✔	✔
CR 125	Popular Music: Electric Bass Guitar*	163	Honours Bachelor Degree	4		6	Leaving Cert & Assessment Exam 615	Leaving Cert & Assessment Exam 615	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 126	Popular Music: Drums*	163	Honours Bachelor Degree	4		6	Leaving Cert & Assessment Exam 765	Leaving Cert & Assessment Exam 755	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 127	Popular Music: Electric Guitar*	163	Honours Bachelor Degree	4		6	Leaving Cert & Assessment Exam 795	Leaving Cert & Assessment Exam 795	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 128	Popular Music: Keyboards*	163	Honours Bachelor Degree	4		6	Leaving Cert & Assessment Exam 720	Leaving Cert & Assessment Exam 720	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 129	Popular Music: Voice*	163	Honours Bachelor Degree	4		6	Leaving Cert & Assessment Exam 820	Leaving Cert & Assessment Exam 795	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.3/5)			✔	✔
CR 700	Theatre & Drama Studies*	165	Honours Bachelor Degree	4		20	Leaving Cert & Assessment Exam 805	Leaving Cert & Assessment Exam 720	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 2014 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 Applied Art @ Sharman Crawford Street
CR 210 BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)
CR 220 BA (Honours) in Fine Art

Media Communications @ Bishopstown Campus
CR 112 BA (Honours) in Multimedia
CR 600 BA (Honours) in Visual Communications

Postgraduate Programmes
Professional Master of Education (Art and Design)
MA in Art Therapy (Taught)
MA in Art & Design Education (Taught)
MA in Teaching Visual Arts for Primary & Early Years Education (Taught)
MA in Art & Process (Taught)
Higher Diploma in Arts in Public Relations (Taught)
MA in Public Relations with New Media (Taught)
MA in Journalism with New Media (Taught)
MA in Digital Media (Taught)
MA in E-learning Design and Development (Taught)
MA by Research
PhD

CIT CRAWFORD COLLEGE OF ART & DESIGN

CIT Crawford College of Art & Design (CCAD) is a vibrant multi-campus College, which has been providing education in the arts for over 200 years.

Crawford graduates are among Ireland's top artists, designers, media designers and communicators, art therapists and art educationalists. Whether you are interested in Fine Art or Contemporary Applied Art, Visual Communications or Multimedia or hoping to do postgraduate study in Art Therapy, Art & Design Education, Art & Process, Elearning Design and Development, Journalism or Public Relations with New Media - we have something for you.

The vibrant city of Cork - known as the City of Festivals - is home to national and international art galleries, the National Sculpture Factory, a range of artist-led initiatives such as Cork Printmakers, the Backwater Artists Group and the Guesthouse, and of course, is an ideal place to work in the creative industries.

Whatever your creative aspirations - we can support you on your journey to finding your individual unique voice. At the Crawford, your education is led by you.

The College comprises four distinct departments as follows:

- The Department of Fine Art and Applied Art based at the Sharman Crawford Street campus, and the Department of Art & Design Education based at Sullivan's Quay, offering programmes in Fine Art, Contemporary Applied Art (Ceramics, Glass, Textiles), and Art Education.
- The Department of Media Communications, offering programmes in Visual Communications, Multimedia, Journalism, E-learning, and Public Relations, is based at CIT's Bishopstown Campus.
- The Department of Art Therapy and Continuing Visual Education is based on Sullivan's Quay, a 5-minute walk from the Sharman Crawford Street campus.

There are extensive links with industry and external arts organisations, a thriving visiting lecturer programme, and a strong focus on the development of individual creativity.

CCAD also has its own exhibition space at CIT Wandesford Quay Gallery and this venue has already established itself as an intersection point between the college and the wider artistic community.

Fine Art and Contemporary Applied Art (Ceramics, Glass, Textiles) @ Sharman Crawford Street

The BA (Honours) in Fine Art, and Contemporary Applied Art (Ceramics, Glass, Textiles), are based in our Sharman Crawford Street campus, which is in the heart of Cork city with easy access to vibrant art institutions and arts scene. Both programmes provide studio based education, with an emphasis on instilling individualism and independence. Facilities include personal studio space for all students with access to well-equipped workshops including drawing studio, media-labs, photography studio, digital imaging lab and/or traditional darkrooms, projection space, print studios, textiles, glass, ceramics, metal, and wood fabrication alongside lecture theatres.

Visual Communications & Multimedia @ Bishopstown Campus

The BA (Honours) in Visual Communications, and Multimedia, are offered on the Bishopstown campus in the Department of Media Communications. In recent years this department has grown significantly and has become a premier provider of visual design and media education in the south of Ireland. Facilities are of a high standard and include lecture rooms, photographic/video production space and design/drawing studios. There are also traditional printing and digital pre-press facilities available to the students. All labs consist of top end Macintosh computers and up-to-date industry standard software.

All courses maintain close links to industry involving ongoing consultation with design and media professionals ensuring that courses are targeted to 'real world' needs and that graduates are both highly trained and eminently employable. There are also many options for postgraduate studies within CCAD.

Postgraduate Programmes

CCAD offers an extensive range of Postgraduate Programmes:

- Professional Master of Education (Art and Design)
- 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 Digital Media
- MA in Journalism with New Media
- MA in E-learning Design and Development
- MA by Research
- PhD

International Links

The College actively participates in the ERASMUS student mobility programme, and exchanges have taken place with colleges in Germany, the UK, the Netherlands, Portugal, Italy, Denmark, France, Spain, and Finland. The College welcomes mature students and receives many applications from overseas.

Portfolio Guidelines

CCAD Undergraduate Programmes

1. BA (Honours) in Fine Art CR 220
2. BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
3. BA (Honours) in Visual Communications CR 600

The portfolio is your opportunity to show what interests and excites you visually; it should show your ability and potential to engage in a challenging and creative contemporary art and design practice. If you have an inquisitive mind and want to explore your creativity, then the CCAD Degree Programmes are for you.

There is no 'standard' portfolio but these are indications of what will be looked for:

- Make it exciting so your portfolio reflects your interest and enthusiasm for the chosen course as a prospective art and design student.
- Evidence of drawing and painting are essential and should be demonstrated through both observational and imaginative work. However, at least half of the work you include should be from direct observation.
- Don't leave out large scale or 3D work; however it is sufficient to present this by photographing the objects from a variety of viewpoints and including some indication of scale if possible.
- Sketchbooks and personal visual diaries are vital since they give an idea of how you inform yourself, how you generate ideas and your approach to researching and developing them.
- It is important to organise and present your portfolio clearly but there is no need to spend a lot of money mounting work - spend time putting your folder in order, be selective, judge what best displays your interests, abilities and skills, then arrange it in a clear and coherent manner- don't put everything in. Remember we are looking for quality not quantity.
- Please do not include work on disc (unless it is motion graphics or video work specific to course CR 600).

Note: Portfolios for the BA in Visual Communications CR 600 should contain examples of any 'graphic design' projects you may have undertaken such as logos, event posters, CD covers or graphics for packaging.

Finally and most importantly, enjoy the process of creating your portfolio - it will be evident in the work. Be inventive, we enjoy seeing work that is individual and imaginative.

Portfolio Admission Procedures

CCAD Undergraduate Programmes

1. BA (Honours) in Fine Art CR 220
2. BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
3. BA (Honours) in Visual Communications CR 600

- This involves aggregating the points scored for the Leaving Certificate or FETAC (now Quality and Qualifications Ireland (QQI)) 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 (now QQI) Points (300) = 750 points
- Applicants should apply in the normal way through the CAO by 1st February, after which they will receive an invitation to submit their portfolio for consideration. This will take place before the 17th March.
- The marks allocated to the portfolio will be communicated to the CAO and to the applicant before the end of May by post. When the Leaving Certificate results become available, the CAO will make offers in the usual manner.

- In order to be considered for a place on the courses CR 210, CR 220 and CR 600, applicants must satisfy the minimum academic requirements (please see each course for details). All assessments will be carried out by portfolio review and applicants will be required to present their portfolio in person for both the Fine Art and Contemporary Applied Art (Ceramics, Glass, Textiles) Programmes. It is not a requirement to be present for assessment of the Visual Communications Programme.

Portfolio Presentation

We view hundreds of portfolios each year and to ensure the process works, we ask you to thoroughly read through the procedures outlined below.

Locations

Presentations for CR 210 and CR 220 will be made to the Department of Fine Art & Applied Art, which is based at the CIT Crawford College of Art and Design at Sharman Crawford Street campus in Cork City.

Please note that the application procedure and review of presentations for CR 600 will be held in the Department of Media Communications, which is based at CIT Bishopstown campus on the ground floor - C corridor of the main building.

- All work should be contained within a secure art portfolio that is clearly labelled with your name, address, contact telephone number, and your correct CAO number.
- Each individual artwork must be clearly labelled on the reverse, if desired, with your correct CAO number.
- Applicants of CR 210 BA (Honours) in Fine Art, and CR 220 BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) are required to present their portfolios in person to the College. After the portfolio has been viewed, you have the opportunity to meet a small panel of staff informally, and to view the college and the facilities.
- Applicants of the CR 600 BA (Honours) in Visual Communications are responsible for delivery and collection of their portfolios. The department secretary will issue the applicant with a collection receipt and on return the receipt is handed in and the portfolio returned. Portfolios not collected within a reasonable time period are not the responsibility of the department.
- Portfolios may be posted or shipped to the Department of Media Communications, CIT. However, the Department cannot be responsible for wrapping and return shipping.

Note: If you apply to both CR 600 and CR 210 or CR 220, we will facilitate applicants in holding the portfolio reviews at the Sharman Crawford Street Campus so as to avoid having to attend at two locations.

If you have any queries please contact ccad.enquiries@cit.ie
Portfolio Guidelines: http://ccad.cit.ie/portfolio

Contemporary Applied Art (Ceramics, Glass, Textiles) (Honours)

CR 210 Level 8 Award

>> Progression to Postgraduate Programmes

Application: CAO
Award Title: Bachelor of Arts (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles)
Duration: 4 Years (8 Semesters)
Places: 15
Campus: CIT Crawford College of Art & Design, Sharman Crawford Street, Cork.
Restricted Application/Early Assessment Procedures: Yes
CAO Points in 2013: **Round 1:** 653 / **Final:** 653

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

Note 1: There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).
Note 2: A Portfolio is required.

What is Contemporary Applied Art?

Contemporary Applied Art (Ceramics, Glass & Textiles) encourages fresh ideas, inventive use of materials and techniques and offers students the opportunity to critically engage with current practice.

Helpful Leaving Certificate Subject

Art, and Design and Communication Graphics

Potential Areas of Employment

- Exhibiting Artist/Designer/Arts Administrator
- Gallery/Museum Professional e.g. Curator
- Educator – requires further postgraduate study

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

First Year at a Glance

- Introduction to Art History: history of Western Art; modernity and visual culture; seminars including site visits to local galleries and cultural institutes
- Introduction to Art Processes: learning to use and express yourself in a variety of media, Textiles, Glass, Ceramics and one of the following Print, Photography, Drawing, Digital Media
- Formal Visual Elements: making of 3D and sculptural pieces; making & constructing things and the relationship these things have to the space they exist within
- Drawing: developing a personal understanding of visual language through objective/non-objective drawing
- Introduction to Studio: explore ideas through a range of materials, combined with specific workshops in the fundamental processes of Ceramics, Glass & Textiles
- IT for Artists: provides the learner with a foundation in IT as it relates to visual arts practice

www.cit.ie/course/CR210

Module Information http://modules.cit.ie/cr210

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

About the Course

This is an innovative interdisciplinary programme with an emphasis in three main material areas, Ceramics, Glass, and Textiles, either as a chosen specialism, or in combination. It offers students the opportunity to creatively develop and make objects. The emphasis is on an open and experimental exploration grounded in historical context and current critical debate about contemporary practice. This course offers a creative and playful approach to materials and idea development with a strong emphasis on practical skills, conceptual development and self-directed exploration.

The delivery of this course is modular and centred on `thinking through making' including: skills development workshops, lectures, group seminars, tutorials, peer and independent learning. In their final year students will be expected to develop and execute an original body of work to a high standard and undertake a written thesis which explores the intellectual aspects and implications of the work. In the final year also, students undertake a professional practice module, which is delivered by an international curator to teach students how to present their work to the professional world.

Students are encouraged to pursue opportunities within the programme for international exchange and placement. The College has extensive facilities; excellent specialised workshops, digital labs, individual studio space, and a specialised visual arts library; which with the experienced artist and educator lecturing staff makes the college a vibrant place to study and grow.

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for:

- Professional Master of Education (Art and Design)
- 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 & Applied Art
T: 021 433 5200
E: ccad.enquiries@cit.ie

Question Time

Is there any written exam?
There are no sit-down exams. However, there are many academic modules where assessment is in essay, report, seminar paper/thesis format.

Does the College provide all the materials for coursework?
Materials for course work are available through the College. Students are asked to contribute for materials annually.

myCIT myCareer

Kevin Callaghan
Artist

"I completed my degree at CIT CCAD in 2010. I found that the experienced tutors promoted my thirst for experimentation and research and I built a dynamic relationship with the lecturers and my peer group. Processes, exploration, and productivity are foremost in Contemporary Applied Art. This positive and creative environment is the perfect place to grow."

Kevin has worked independently and exhibited many times since completing his degree programme. He has recently completed a postgraduate Masters in Ceramics and Glass at The Royal College of Art, London.

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 2013: **Round 1:** 535 / **Final:** 535

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

Note 1: There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).
Note 2: A Portfolio is required.

What is Fine Art?

Fine Art is the making and study of visual art including Painting, Sculpture, Photography, Print, Performance, Drawing and Digital Media. 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 Practice
- Arts Education
- Arts Administration & Management
- Curation
- Community Arts
- Art Criticism

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

First Year at a Glance

- Introduction to Art History: history of Western Art; Modernity and visual culture; including seminars and visits to local galleries and arts institutions
- Introduction to Art Processes: learning to use and express yourself in a variety of media including: Print, Photography, Drawing and Digital Media
- Formal Visual Elements: making of 3D and sculptural pieces; making & constructing things and the relationship these things have to the space they exist within
- Drawing: developing a personal understanding of visual language through objective / non-objective drawing
- Fine Art Studio: the initiation and application of visual research strategies towards the making and presentation a personal body of work
- Art in Context: introduce the student to art when working in a broad social, cultural and environmental context

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 BA (Hons) in Fine Art is a studio-based course with an emphasis on individual creative development. Students are introduced to the skills and philosophies of the practicing artist. The course supports the development of studio practice enabling students to position their artwork in terms of art history and contemporary critical thought. Students can choose from a wide range of media including: painting, sculpture, photography, film, video, digital media, sound, print, performance, and/or drawing, and will be trained in the processes and facilities available in the College's excellently equipped workshops.

Fine Art offers very varied career paths. The course aims to instil individualism and independence preparing students for active careers in the visual arts or for further study to Masters degree level.

Further Studies

For details, see www.cit.ie

Suitably qualified graduates are eligible to apply for:

- Professional Master of Education (Art and Design)
- 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

Career Opportunities

Graduates may develop careers as practicing artists or professional careers in education, art institutions, independent curation, arts administration, and arts management. Many students also continue to the Higher Diploma and/or Masters level to progress their career.

Contact Information

Trish Brennan
Department of Fine Art & Applied Art
T: 021 433 5200
E: ccad.enquiries@cit.ie

Question Time

I might like to go on an Erasmus programme, is this possible with this course?
Yes, we have links with many European colleges and facilitate students to exchange on Erasmus programmes annually.

Is there any written exam?
There are no sit-down exams. However, there are many academic modules where assessment is in essay, report, seminar paper/thesis format.

Does the College provide all the materials for coursework?
We have material stores in the College providing papers, canvas, paint, clay, inks etc. Students are required to pay cost price for these materials.

Is there specialism within this course i.e. Fine Art Print?
This programme offers students the opportunity to work across a range of media or specialise in their chosen media. All Fine Art students study and work together which encourages greater peer interaction. We do not separate students into media specialised class groups.

myCIT myCareer

Kate O'Brien
Freelance Photographer

"In the CIT CCAD you have the freedom to move between different departments and use the facilities across a variety of media. Photography was my main area of study.

Apart from the practical skills that I learned in CIT CCAD, e.g. video editing, photography, and screen-printing, the college helped me to approach things from different angles. This is really useful, not just in artistic practice but in all areas of your career; to have a creative approach to problem solving and to come up with creative solutions. That has really stood to me in every area of my life."

Kate completed her MFA in Contemporary Art Photography in Edinburgh and currently works as a freelance photographer in Dublin.

myCIT myCareer

David Upton
Assistant Curator

"The skills of research and writing are some of the most essential to becoming a professional artist or curator. My studies at the CIT CCAD taught me to hone these skills and to later successfully secure funding to travel, research, and produce exhibitions. Curation has become an integral part of my art practice.

The term I spent at The Academy of Fine Arts in Budapest while taking part in the Erasmus student exchange programme proved to be one of my most valuable experiences, building international friendships and giving my art practice perspective. Since graduation I have found the support and advice offered by the college to be invaluable. My time at the CIT CCAD gave me the tools to navigate a competitive cultural landscape."

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: 40
Campus: CIT, Bishopstown, Cork.
CAO Points in 2013: **Round 1:** 350 / **Final:** 350

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

First Year at a Glance

- Web Design Basics: interactive web design - HTML and CSS
- Moving Image & Sound: introduction to the theories and practical application of time-based AV media production
- Business & Enterprise: the study of business systems, operations and enterprise. Learning communication and business writing skills
- Design Basics: visual design solutions for basic media design problems
- Introduction to Digital Media: knowledge and practical use of digital media formats and devices
- Media Project: projects involving actual or virtual scenarios, simple games, animations, and video and audio for interactive applications
- Project Management: this module introduces students to the theory and practice of project management
- Introduction to AV Technology: the study of audio and video technology - audio video recording, storage and editing equipment and processes
- Interaction & Media: developing content for web browsers, interactive media players
- Electives include Film Language; Media Design; Animation Principles; and Interface Design.

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.

The BA (Honours) in Multimedia students also have the choice to study in the University of Applied Sciences in Darmstadt, Germany. The two institutions have a collaborative programme leading to a Joint Award. The Joint Award is internationally recognised and accredited by CIT and the University of Applied Science in Darmstadt, Germany.

Further Studies

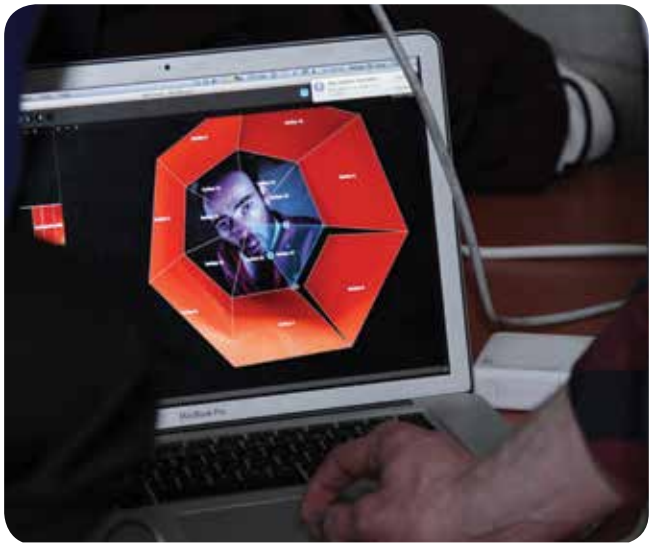
For details, see www.cit.ie

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
- MA in Digital Media
- MA in E-learning Design and Development
- MA by Research

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

Joe Darrer
Operations Director

"Over the 4 years in CIT's Multimedia Degree there was a great opportunity to study and experience many facets of a media development career. Working on areas from web development, design, e-learning, film to project management prepared me to join one of the world's largest e-learning companies, Mindleaders, in 2008.

In 2011, I began work as the lead technical director with a startup software development company. The company has delivered eBook tablet applications for iPad, Android, and Windows 8 along with In-Classroom activities for primary and post primary schools around Ireland. Since 2012, I became partner and Operations Director at Radii.ie - delivering software development and design solutions for companies all over Ireland, the UK, and the US."

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 2013: **Round 1:** 485 / **Final:** 485

Minimum Entry Requirements
Leaving Certificate in 6 Subjects

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

Note 1: There is no specific requirement for Mathematics. However, Grade B2 or higher in Foundation Level Mathematics is recognised as one of the subjects for entry (see Yellow pages of this Handbook).
Note 2: A Portfolio is required.

What is Visual Communications?

Visual Communication is the art of problem-solving and communication through the use of type, space, and image. It presents the idea that a graphic message has the power to inform, educate, or persuade a person or audience. It can be presented as a still image, or motion graphics, including sound and in some cases interactive activity.

Helpful Leaving Certificate Subjects

Art, and English.

Potential Areas of Employment

- Graphic Design/Creative Director/Project Manager
- Advertising/Branding/Promotion/Packaging
- Photographer/Illustrator/Animator/Motion Graphic Designer/Web Designer
- Printer/Print Management/Account Manager

myCIT myCourse

"Since doing this course, I have developed a strong interest in Photography and Typography and have also acquired an interest in the psychology of branding."
Edel Lougheed

First Year at a Glance

- Design Principles & Practice: applying creative thinking, ideas generation, design methods and techniques to create graphic design project solutions
- Creative Image Making: creating images across a wide range of media through drawing practices and techniques
- Visual Culture: the theory of the imagery in modern society, with a particular emphasis on visual communication
- Typography: introducing the basic language and principles of typography
- Contextual Studies: the study of design culture and also the study of the culture of business and how communication underpins this relationship
- Printing: introduction to printing techniques from front-end outputting devices to offset litho press operation
- Creative Technology: introducing and applying design software for graphic design
- Photography: overview of photography and developing basic skills in capture and outputting digital photography

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:

- Professional Master of Education (Art and Design)
- Higher Diploma in Public Relations
- MA in Public Relations with New Media
- MA in Journalism with New Media
- MA in E-learning Design and Development

Career Opportunities

The course equips graduates to work in the fast moving exciting world of design. There are traditional jobs in graphic design, advertising and web design in which our graduates can be employed. Many graduates go on to creative director positions and some follow on to start up their own businesses. Our Visual Communications graduates have also studied on Masters programmes in areas such as illustration and design management. Graduates can also work in specialised areas such as photography, web design, and motion graphics.

Contact Information

Rose McGrath
Department of Media Communications
T: 021 433 5812
E: rose.mcgrath@cit.ie

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 2013	Final Points 2013	No. of L.C. Subjects	No. of C3 (H) Grades	Maths Grade	English or Irish Grade	Early Assessment Procedures	Higher Certificate	Bachelor Degree	Honours Bachelor Degree	Post Grad
CR 210	Contemporary Applied Art (Ceramics, Glass, Textiles)*	173	Honours Bachelor Degree	4		15	Leaving Cert & Portfolio 653	Leaving Cert & Portfolio 653	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2)			✔	✔
CR 600	Visual Communications*	179	Honours Bachelor Degree	4		40	Leaving Cert & Portfolio 485	Leaving Cert & Portfolio 485	6	2	(Ref.1)	D3 (O/H)	✔ (Ref.2)			✔	✔
CR112	Multimedia	177	Honours Bachelor Degree	4		40	350	350	6	2	D3 (O/H)	D3 (O/H)				✔	✔
CR 220	Fine Art *	175	Honours Bachelor Degree	4		70	Leaving Cert & Portfolio 535	Leaving Cert & Portfolio 535	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/ccad for details on portfolio requirements for CR 210, CR 220 and CR 600.
* Restricted Application / Early Assessment

NOTE: Round 1 Points 2014 can be found inside the cover of this Handbook.
Number of First Year Places may change.
Leaving Certificate (LC)

Yellow Pages

Detailed Information on Application for Study at CIT
(Please refer also to pages 11 and 12 of this Handbook)

How to Apply
CAO and Closing Dates
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Supporting Access
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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 Contemporary Applied Art (Ceramics, Glass, Textiles) (Portfolio required)
- CR 220 Fine Art (Portfolio required)
- CR 600 Visual Communications (Portfolio required)
- CR 121 Music (Music Entrance Exam)
- CR 700 Theatre & Drama Studies (Entrance Assessment)
- CR 125; CR 126; CR 127; CR 128; and CR 129: Popular Music (Entrance Exam)

Exceptional closing date for current third-level students 22nd July 5.15pm.

Subject to some exclusions, as well as to the usual conditions for late applications, if you are currently a student in any year in any higher education institution, you may make a Late Application, in paper form only, to arrive in CAO not later than 5.15pm on 22nd July. The CAO Form must be stamped on Page 2 by the Admissions Office of the institution where you are a student.

Change Of Mind

The CAO system allows changes to be made to applications up to 5.15pm on 1st July. A Restricted Application course cannot be added to your CAO application after 1st February. You may, however, alter your preference ranking for such courses.

Exceptional closing date for current third-level students 22nd July 5.15pm.

Subject to certain exclusions as well as to the usual conditions for Change of Mind, if you are currently a student in any year in any higher education institution, you may submit a **Change of Mind**, in paper form only, to arrive in CAO not later than 5.15pm on 22nd July. The Change of Mind Form must be stamped by the Admissions Office of the institution where you are a student.

Direct Entry Courses

For certain courses, application is made directly to the Institute and not through the CAO. This applies to the following:

- All Honours Bachelor Degree courses which follow on from an Ordinary Bachelor Degree (Level 7).
- Levels beyond the first year of a course.

Closing Date for direct entry for the above courses: 1st May.

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

- Part-time courses
- Professional Master of Education (Art and Design)
- Postgraduate courses
- Higher Certificate in Business for Mature Students
- Higher Certificate in Science in Good Manufacturing Practice & Technology
- ACCS courses
- BA in Community Development

Application Forms for direct entry to these courses are available from: Admissions Office, Bishopstown Campus or CIT Crawford College of Art & Design, CIT Cork School of Music or National Maritime College of Ireland (as appropriate).

Copies of any qualifications, transcripts of results and other relevant documentation should be included with the application. Applicants awaiting examination results should ensure that these are forwarded to the Admissions Office as soon as they become available.

The Admissions Office
Cork Institute of Technology
Bishopstown
Cork
T: 021 433 5043/5037
E: admissions@cit.ie

Entry Requirements

For admission to a course, standard applicants must
- **score the necessary CAO points *and***
- **meet the minimum entry requirements. These requirements may be altered for certain categories of applicant; see "Non-Standard Applicants".**

The CAO Points System

Standard applicants for first year courses will be awarded points by applying the points scale in the table below to the results obtained in the Leaving Certificate Examination. This is the normal CAO points scale. The SIX best results in one sitting of the Leaving Certificate examination will be used for points calculation. Applicants are reminded that the points required for a course vary each year according to supply and demand for places. Please note that meeting the minimum entry requirements is a separate matter to the calculation of CAO points.

Leaving Certificate Grade	Higher Paper Points	Ordinary Paper Points
A1	100	60
A2	90	50
B1	85	45
B2	80	40
B3	75	35
C1	70	30
C2	65	25
C3	60	20
D1	55	15
D2	50	10
D3	45	5

Implementation of Bonus Points for Higher Level Mathematics

Points awarded
A bonus of 25 points will be allocated to students who achieve a grade D3 or above in Higher Level Mathematics.

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

Formula
- All students presenting HD3 or above in HL Mathematics will have 25 points added to their score for Mathematics.
- The six highest subject points scores will then be counted to achieve a cumulative points score, as is normal practice.

The bonus points will only be relevant in cases where the subject HL Mathematics (including bonus points) is scored as one of the candidate's six best subjects for points purposes.

Random Selection

Under the CAO scoring system, it is sometimes necessary to allocate the remaining places on a course among applicants who have equal CAO points. To ensure fairness, this is carried out by the CAO on the basis of randomly assigned numbers.

Early Assessment Procedures for CAO Courses

CIT Crawford College of Art & Design
For further information please email ccad.enquiries@cit.ie

BA (Honours) in Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
BA (Honours) in Fine Art CR 220
BA (Honours) in Visual Communications CR 600

Applicants will be required to present a portfolio of work in addition to having the minimum entry requirements detailed in the course information. Further details of the procedures, subject requirements, and points scale are in the course information for the CIT Crawford College of Art & Design in this Handbook.

CIT Cork School of Music
For further information please contact the CSM Administrator, Noranne Elliott, T: 021 480 7307 E: noranne.elliott@cit.ie and check the CIT website at www.cit.ie.

BMus (Honours) CR 121
This is a Restricted Application Course and all applicants must sit the CIT Cork School of Music (CSM) Honours Degree Entrance Exam (April 2015). This involves performance, aural and sight-singing tests, and a written paper dealing with rudiments, compositional techniques [harmony] and general musical knowledge. Normally, applicants should have reached at least Grade VI on their Principal Instrument. Further details of the procedures, subject requirements, and supplementary points allocated for the Entrance Exam are in the course information section for the CIT Cork School of Music in this Handbook.

BA (Honours) in Theatre & Drama Studies CR 700
This is a 'Restricted Access' course which means that you must undergo an assessment day in the CIT Cork School of Music, Union Quay, Cork (April 2015). CSM will assign a points score out of a maximum of 600 on the basis of this assessment. This is then added to your Leaving Cert points score and the CAO then use the resulting total out of 1200 to rank all eligible candidates and offer places on the course.

For the practical assessment, candidates will prepare a three-to-four minute monologue from a published play of their choice. Individual auditions/interviews will also include the performance of a short, previously unseen text given on the day. Each candidate will also take part in a 45-minute group drama workshop and complete a brief written exercise on an unprepared theatre topic.

BA (Honours) in Popular Music:
CR 125 Popular Music: Electric Bass Guitar
CR 126 Popular Music: Drums
CR 127 Popular Music: Electric Guitar
CR 128 Popular Music: Keyboards
CR 129 Popular Music: Voice

This is a 'Restricted Access' course which means that you must undergo an assessment day in the CIT Cork School of Music, Union Quay, Cork (April 2015). CSM will assign a points score out of a maximum of 600 on the basis of this assessment. This is then added to your Leaving Cert points score and the CAO then use the resulting total out of 1200 to rank all eligible candidates and offer places on the course.

Applicants will be required to prepare two contrasting pieces of music; undergo an interview; and sit a written assessment paper.

Garda Vetting

CIT uses the Garda Central Vetting Unit (GCVU) to help assess the suitability of all applicants on CR 031 Social Care, CR 620 Early Years Education, CR 032 Recreation & Leisure Management and CR 121 Music programmes. It is important to note that participation in or completion of these programmes may be affected by subsequent disclosure/discovery.

While every effort is made to ensure the accuracy of the information contained in this handbook the issue of Garda Vetting is continuously being reviewed and updated and therefore a Garda Vetting requirement may be subsequently added to a programme.

For more information, visit www.cit.ie/gardavetting

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 page 12 in this Handbook.

Deferring a Place

The Institute will try to facilitate successful applicants who wish to postpone entry.

The recommended procedure is as follows:

1. Applicants should not accept the offer through the CAO;
2. The applicant receiving the offer should write immediately to the Admissions Office, CIT, so that the letter arrives not later than two days before the reply date for the offer, seeking a deferral and setting out the reason for the request. The applicant should enclose with the letter, Part C of the Offer Notice.

Applicants are NOT allowed to defer the results of the Entrance Exam for the Bachelor of Music (Honours) CR 121; Bachelor of Arts in Theatre & Drama Studies CR 700, or the Bachelor of Arts in Popular Music CR 125; CR 126; CR 127; CR 128; CR 129 from one year to the next.

Non-Standard Applicants

Special Category (Non-Standard) Applicants

Certain applicants may be assessed on a basis different from the CAO Points System. These are called Special Category or Non-Standard Applicants. There are several categories, and these are detailed on Page 3 of the CAO Application Form.

If you wish to be considered as a special category applicant you should tick the relevant box on Page 3 of the CAO form. CIT welcomes applications from Special Category Applicants and those who wish to be considered as such should fill out the appropriate section of the CAO Application Form. In addition, applicants may be invited for interview for some courses. Special Category Applicants are of course entitled to be assessed on the same basis as any other applicant on the basis of points achieved. This means that Special Category applicants may apply using points gained from a Leaving Certificate or FETAC (now Quality and Qualifications Ireland (QQI)) Qualification.

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:

1. Mature Students

To be eligible under this category, applicants must be 23 years old by 1st January of the proposed year of entry. When making an application through the CAO, Mature Students can apply under 3 categories:

1. Leaving Certificate results and/or (up to 1st May)
2. FETAC (now QQI) results and/or (up to 1st May)
3. Mature Student (up to 1st February)

Assessment will be based on the strongest of these three categories. Under category 3 as a mature applicant you may not be required to satisfy the minimum entry requirements. You will be asked to write a Personal Statement to include information on relevant work experience, skills gained through experiential learning and other qualifications. Assessment of such applications will be based on the information provided in this personal statement. Some Departments may also interview mature applicants in addition to this.

Late applications are not accepted from mature students applying for entry into CIT. However, if a mature student wishes to apply through the CAO using a Leaving Certificate or FETAC (now QQI) qualification he/she can do so up to 1st May.

2. GCE/GCSE

This category includes GCE A-Level and AS Level, and GCSE/O-Level.

3. Other School-Leaving Exams

The CAO form has a section for the description of other school leaving exams, including those obtained outside Ireland.

4. Further Education (see also the FETAC (now QQI) section)

(a) FETAC (now QQI)/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 (now QQI)) qualifications may be considered and will be assessed individually.

5. 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 Service works with groups who are under-represented in higher education such as

- Students who experience socio ecomonic disadvantage;
- Students with disabilities;
- Mature students;
- Members of the traveller community;
- Ethnic minority students.

The Access Service organises supports such as information sessions, school visits, parents' information sessions, student shadowing, induction programmes, academic, social, and financial support.

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
Deirdre Falvey / Deirdre Creedon
Student Services
T: 021 433 5750 / 5140
E: deirdre.falvey@cit.ie / deirdre.creedon@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 / Deirdre Creedon
Student Services
T: 021 433 5750 / 5140
E: deirdre.falvey@cit.ie / deirdre.creedon@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 into a full time undergraduate course.

Contact
Sinéad O'Neill
Mature Student Officer
T: 021 433 5109
E: maturestudent@cit.ie
W: www.cit.ie/maturestudents

For information on part-time courses please visit www.cit.ie/parttime

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. However, mature students can make an application through the CAO using a Leaving Certificate or FETAC (now QQI) qualification up to 1st May.**

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 wish to be assessed as a mature applicant by ticking the mature student section on the CAO application form. 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 and Events
- 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, the application process, life in CIT as a mature student, grants, fees, financial assistance, student supports and services. 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. The applicant then has the opportunity to send the result of this test to the CAO as part of their application.

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
- Subject Specific Supports
- Mathematics Support Sessions (delivered by the Academic Learning Centre)
- Information on Financial Supports
- One-to-one support through the Mature Student Officer and the Mature Learning Support Service

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 body.

If you think you are eligible for the student grant, you should apply for it as soon as possible. You do not have to wait until you receive an offer of a place or enrol in college. All NEW grants applications are made online to a single awarding authority, SUSI (Student Universal Support Ireland). For further information, visit www.susi.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.

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 receive a payment.

For further information, visit www.studentfinance.ie

Disability Support Service

The aim of the Disability Support Service in CIT is to encourage the participation and access of students with disabilities into third-level education. CIT offers a very person-centred approach to providing support to students with disabilities, recognising that each student will have different needs. Our service tries to accommodate each student on an individual needs basis. In order to develop this approach to meeting student needs as efficiently as we can, we would urge the students that need to use the service to make contact with the Disability Support Officer as early in the academic year as is possible.

CIT is committed to a policy of equal opportunity in education and to ensuring that students with a disability have an equal access to education at third-level as is reasonably possible to provide to them. Every student with a disability has the right to reasonable and appropriate accommodations determined on an individualistic basis in accordance with the students certified disability.

The Disability Support Service in CIT operates a strict confidentiality policy and all students' records and disclosure of information will only occur with the students consent.

Disability Access Route to Education

The Disability Access Route to Education (DARE) is a supplementary admissions scheme for school leavers with disabilities. DARE was established by a number of colleges and universities as clear evidence shows that disability can have a negative impact on how well a student does at school and whether they go on to college.

School leavers who meet the eligibility criteria compete for a quota of places allocated to applicants on a reduced points basis in CIT. All applicants must meet the Irish Leaving Certificate (or equivalent), matriculation/minimum entry and subject requirements. As the minimum entry and subject requirements may be different for each course, applicants should check this Handbook for the requirements of each preference listed on your CAO form.

Who Should Apply to DARE?

DARE is for school leavers (under 23 years old as at January 1st 2015), 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 (now QQI) 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 2015.
2. No later than 5:15pm on 1st March 2015, you must disclose your disability and/or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (the SIF is a part of your CAO application). If you wish to be considered for the DARE scheme, you must indicate this on Section A of the fully completed SIF by ticking "Yes" to Question 5 by 5:15pm on 1st March 2015.
3. You must return the fully completed Second Level Academic Reference (Section B) and Evidence of Disability (Section C) of the SIF to arrive at CAO no later than 5:15pm on 1st April 2015.

Applicants with a Specific Learning Difficulty or Dyspraxia must return a fully completed psycho-educational assessment completed by an appropriately qualified Psychologist, in place of Section C. Applicants with Dyspraxia must also provide additional verification (For more information on evidence of disability see www.accesscollege.ie).

Condition of a DARE Offer

Students who receive a DARE offer must register with the CIT Disability Service and attend meetings as requested with the Disability Service.

More information on DARE is available from the CAO Helpline number (091 509800), 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/specific learning difficulties. 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 through the Disability Support Officer. 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. Documentation from a professional is needed in order to apply for funding - GP letters will not suffice for funding applications.

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;
- Alternative Media Formats;
- Assistive Technology Service;
- Open Access Lab;
- Liaise with Academic staff on behalf of or with students (with consent).

Examination Supports

The Disability Support Service liaises with the Examinations Office to provide exam support to students with disabilities at exam times – be it end of semester exams or in-class examinations. Some exam supports available include the following:

- Provision of a scribe;
- Provision of a reader;
- Extra time (usually 10 minutes per hour);
- Access to assistive technology.

Contact
Laura O'Rourke
Disability Support Officer
T: 021 433 5107
E: laura.orourke@cit.ie

Recognition of Prior Learning

CIT has a process which allows you to get recognition for what you already know relevant to a particular programme of study. Your 'prior learning' can be what you have learned in training programmes, in courses or through your work and life experiences. By having this learning recognised you may be able to reduce the amount of time you need to study to get your qualification.

In CIT, RPL can be used to gain:
1. An exemption or mark for a module or for a number of modules.
2. Entry to a programme in first year where the standard entry requirements have not been met.
3. Advanced entry to a programme at a stage other than first year.

What type of learning do you have?

Prior Formal Learning
This means that you are applying because you have already been successful in a similar or equivalent module or course. It is necessary to state what exam(s) form the basis of your case and present this information along with proof of learning. Prior formal learning cases are allowed at all levels and on all programmes in CIT.

Prior Non-Formal & Informal Learning
You may have learning from life and work experience relevant to a programme in CIT. You may want to have this learning recognised and you believe that you can provide sufficient evidence. Such learning will not have been assessed for credit before now. In CIT the candidate is provided with help to present a prior learning case.

If you feel you have a case you must arrange to meet and discuss your case initially with either the Head of Department or the Course Coordinator. As part of this process you will be asked to develop a portfolio which details your learning relevant to a programme in CIT. Support and advice is available from the RPL Coordinator on developing your portfolio.

Advanced Entry
CIT, where possible, allows advanced entry to a programme on the basis of prior learning. If you feel you may have sufficient learning you should arrange to meet and discuss your case with the Head of Department or the Course Coordinator.

How do I Apply for RPL?

You must first register as a student in CIT for a programme or module. It is recommended that you discuss your case with the Course Coordinator or module lecturer before beginning the application process as they will be able to advise and direct you. RPL application forms and further information are available at www.cit.ie/rpl

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

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

For Semester 2, register your RPL application by the beginning of February and complete your application by mid-March.

For applications received outside of these dates assessment cannot be guaranteed in that semester.

Contact Phil O'Leary who will explain what is required and will assist you with your application and portfolio preparation.

T: 021 433 5132 E: phil.oleary@cit.ie

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. Prior learning cases based on a combination of prior non formal or informal learning (experiential) are charged full module fee.

FETAC AWARDS (now made by Quality and Qualifications Ireland (QQI)): Admission to CIT

Scoring of FETAC Awards in the CAO

QQI operates within the National Framework of Qualifications (NFQ), and has awards (formerly FETAC awards) placed at Level 5 (Certificate) or Level 6 (Advanced Certificate) of the framework. Holders of former FETAC awards at Level 5 of the NFQ should apply through the CAO system. Points will be allocated and will be used to place applicants in order, in the same rounds of CAO offers as Leaving Certificate applicants. Applicants must present a full award totalling 120 credits. This full award may be accumulated over more than one academic year.

A new scoring system has been agreed for all Level 5 and 6 former FETAC awards, providing access through CAO to the first year of programmes leading to awards at Levels 6, 7 and 8. The new scoring system has been applied from 2013.

The new scoring system applies where all the requirements for the major award are met, i.e. when the specified component awards have been achieved, totalling 120 credits.

To calculate your score you must know the credit value of your component awards.

- Each component is given a score based on the credit value of the component and the weighting of the grade achieved.
- Most component awards have a credit value of 15 (the possible component credit values are 5, 10, 15, 20 and 30).
- The following weightings will apply to the grades achieved: pass=1, merit=2, distinction=3.
- To calculate a component score, multiply the credit value of the component by the weighting for the grade achieved.
- Add all of the component scores up to a cumulative credit value of 120. When adding up these scores begin with distinctions, then merits, then passes.
- Finally, multiply the total by 10 and divide by 9 to give the overall score (maximum 400).

Example of the FETAC (now QQI) scoring scheme

In this example the applicant has 7 distinctions. The components have various credit values as indicated. The table below shows the steps required to calculate the overall score. Begin by listing the components in grade order, all distinctions in this case.

STEP								
1	Grade	D	D	D	D	D	D	D
2	Credit Value	30	30	15	15	15	15	15
3	Cumulative Credit Value (Max = 120)	30	60	75	90	105	120	n/a
4	Credit Value for Scoring (Max = 120)	30	30	15	15	15	15	0
5	Weighting	3	3	3	3	3	3	n/a
6	Weighting x Credit Value	3x30	3x30	3x15	3x15	3x15	3x15	n/a
7	Add Results	90	90	45	45	45	45	=360

The applicant has 135 credits and can only count 120 for scoring purposes, so eliminate 15 credits with the least value – i.e. eliminate one of the distinctions with a credit value of 15.

Now multiply 360 by 10 and divide by 9 = 400.

Practical steps to calculating your own score are available in the **Learners Section** of www.fetac.ie along with additional worked examples.

Quality and Qualifications Ireland (QQI) forwards all relevant FETAC results to CAO for each applicant, and calculates the best score obtained for each candidate.

If a FETAC applicant also presents a Leaving Certificate, the CAO will use whichever is the better of the Leaving Certificate points or the FETAC points.

Minimum Entry Requirements for FETAC (now QQI) Award Holders

The following is a general guide. The requirements for particular courses may be varied for holders of FETAC (now QQI) awards. Further information is available on the FETAC (now QQI) Information section of www.cao.ie

For most Bachelor Degrees on the CAO Level 7 list:
The minimum entry requirement is Leaving Certificate Grade D3 at Ordinary Level in five subjects including Mathematics and either English or Irish.

- The corresponding minimum entry requirement for holders of FETAC (now QQI) awards is a full Level 5 award totalling 120 credits.
- The requirement for English or Irish may be met by either D3 Ordinary Level in the Leaving Certificate or a pass on a FETAC Communications component (Level 5 or higher).
- The requirement for Mathematics may be met by D3 Ordinary Level in the Leaving Certificate or a pass on a FETAC Mathematics component (Level 5 or higher).
- Applicants should refer to http://www2.cao.ie/fetac/fetac_search.php for specific course requirements.

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

For most Honours Bachelor Degrees on the CAO Level 8 list:
The minimum entry requirement is Leaving Certificate with two higher C3 grades and four ordinary D3 grades, including Mathematics and either English or Irish.

- The corresponding minimum entry requirement for holders of FETAC (now QQI) awards is a full Level 5 award in a cognate area totalling 120 credits, including a distinction in 3 components.
- The D3 ordinary grade Leaving Certificate requirement for English or Irish may be met by a pass on a FETAC Communications component (Level 5 or higher).
- The D3 ordinary grade Leaving Certificate requirement for Mathematics may be met by a pass on a FETAC Mathematics component (Level 5 or higher).
- Applicants should refer to http://www2.cao.ie/fetac/fetac_search.php for specific course requirements.

NB: Certain courses have specific minimum standards specified that are different to the above. In particular, Level 8 Honours Degrees which have a Mathematics requirement higher than D3 ordinary grade will still require the specified Leaving Certificate Mathematics achievement or an acceptable equivalent.

Portfolios and FETAC Awards

Entry to:
• Contemporary Applied Art (Ceramics, Glass, Textiles) CR 210
• Fine Art CR 220
• Visual Communications CR 600

will be based on a combination of a CIT assessed portfolio (max 600 points) and the higher score in either the Leaving Certificate (max 600 points) or cognate FETAC (now QQI) award (max 400 points) to include a distinction in 3 components. This arrangement is under review and FETAC applicants to the above courses should check with the Institute's website, or with the Admissions Office.

Further details are available on the FETAC Information section of www.cao.ie

Cork Further Education Colleges Scheme

In addition to the general FETAC (now QQI) entry arrangements, CIT has established a special pilot scheme for the admission of students who successfully complete courses in Further Education (FE) Colleges in Cork. Under this scheme a number of courses in CIT are linked to certain courses in the FE colleges. CIT reserves a number of places on its linked courses for applicants achieving specified levels and other requirements in their awards.

Ask at your Cork Further Education College for more details, or refer to the following website www.cit.ie/prospectivestudents/ccps/

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

Applicants to CIT Year 1 and Year 2

- Students taking a full FETAC (now QQI) 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 (now QQI) Level 6 award linked under the CCPS to a specific course in CIT may apply for Year 2 entry.
- Applicants to Year 1 must apply for the CIT course through the CAO.
- CAO deadline: 1st February. Late CAO applications up to the 1st May are accepted from candidates other than mature students.

Applicants to Year 1 and/or Year 2 need to complete the CCPS application form and submit this to your FE College by 1st May.

You must inform your Course Coordinator that you are applying under the CCPS. Your Course Coordinator must complete Section B (a reference and results) of the CCPS application form.

- The minimum requirement for Year 1 entry onto programmes in CIT is a full FETAC (now QQI) Level 5 Award totalling 120 credits.
- The minimum requirement for Year 2 entry is successful completion of your full FETAC (now QQI) Level 6 Award totalling 120 credits.
- Some courses in CIT may have more specific requirements.

For FETAC (now QQI) 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 (now QQI) points
- As a mature student through the CAO (if over 23 by the 1st January on the year of entry)

Note: Mature students cannot make a late CAO application for courses of study in CIT. Mature students have to apply by 1st February.

Talk to your FE College Course Coordinator, FE Guidance Counsellor or consult the CIT website for more information.

Overseas Students

European Union Applicants

EU applicants (including persons permanently resident in any EU member-state) should apply via the CAO system www.cao.ie by 1st February, giving full details of their qualifications on the CAO form, or for late applications, 1st May. A change of mind can be made by 1st July.

Non-EU Applicants

Non-EU applicants also apply through the CAO by 1st February. Such applicants may be required to attend for interview at the Institute. The deadline for late applications is the 1st May. A change of mind can be made by 1st July.

Leaving Certificate Information

Leaving Certificate Vocational Programme (LCVP)

Holders of the Leaving Certificate Vocational Programme apply in the normal way through the CAO. Points are awarded on the same basis as for the Leaving Certificate. The Link Modules are considered as a single unit and are awarded points on the basis of: Pass 30 points; Pass with Merit 50 points; and Pass with Distinction 70 points. The link modules 'subject' may not be used to meet minimum entry requirements.

Leaving Certificate Applied Programme

The Leaving Certificate Applied subjects do not meet the minimum requirements for entry. Holders of Leaving Certificate Applied may wish to proceed to a FETAC (now QQI) course and in turn to third-level on the basis of a FETAC (now QQI) award.

Foundation Level Mathematics

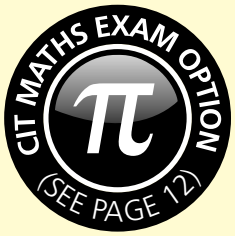
Most (but not all) CAO courses in CIT require Mathematics. A pass in Foundation Level Mathematics does not satisfy the entry requirements in regard to Mathematics. There are two exceptions to this rule, CR 655 Culinary Studies and CR 657 Hospitality Studies, the requirement for D3 (O) Mathematics may 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 12 for more details.



Course Fees

Tuition Fees are covered by the terms of a government scheme under which the State pays the tuition fees of eligible full-time, non-repeat undergraduate students (from Ireland and the EU) who are not previously graduates. Applicants are advised to check with the website www.studentfinance.ie.

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 2014/2015 is €2,750)

NB: Failure to pay fees on time will result in a late payment fee of 10% being applied.
The Fees Office will use your CIT email account for important communications.

If you are planning to progress to full-time further education or undergraduate higher education in Ireland for the first time and you meet certain nationality and residency requirements, you should be eligible to have course fees paid on your behalf by the State.

Prospective students are strongly recommended to check the website www.studentfinance.ie. 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.

Union of Students in Ireland (USI) Levy

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.

Grant Applications

All new grant applications should be made online to the Student Universal Support Ireland (SUSI). Students can access the online system through www.susi.ie; www.studentfinance.ie; or www.grantsonline.ie. 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 2013/14 academic year:

A full refund (less 15% administration fee) was given to applicants who officially withdrew (using the Course Withdrawal Form) by the 31st October. No refunds were issued thereafter.

Contact Information

Admissions
T: 021 433 5037/5043
E: admissions@cit.ie

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

Course Fees
T: 021 433 5440
E: fees@cit.ie

Grants
T: 021 433 5442

Sports Scholarships

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

www.cit.ie

COURSE FAST FINDER

CONTACT INFORMATION

Bishopstown Campus	(021)
Main Switchboard	432 6100
Admissions	433 5087
Access Service	433 5138
Accommodation Office	433 5750
Accounts Office	433 5361
Alumni Office	432 6589
Arts Office	433 5860
Careers & Counselling	433 5772
Chaplaincy	433 5756
Examinations	433 5381/5385
Erasmus Students	432 6689
Extended Campus	432 6017
Fees & Grants	433 5440
Graduate Studies	433 5099
International Office (Non-EU Students)	433 4553
Library	433 5286/5287
Marketing Unit	433 5396
Medical Services	433 5780
Registrar's Office	433 5393
Reprographics & Card Services	433 5752/5290
Societies Office	433 5759
Sports Office	433 5767
Students' Services	433 5388
Students' Union	433 5270

Department Secretaries	
Accounting & Information Systems	433 5920
Applied Social Studies	433 5310
Architecture	433 5950
Biological Sciences	433 5885
Centre of Craft Studies	433 5910
Civil, Structural & Environmental Engineering	433 5950
Computing	433 5160
Construction	433 5950
Distance Education & Instructional Support	433 5930
Electrical & Electronic Engineering	433 5470
Management & Enterprise	433 5806
Marketing & International Business	433 5939
Mathematics	433 5160
Mechanical, Biomedical, and Manufacturing Engineering	432 6505
Media Communications	433 5810
Organisation & Professional Development	433 5902
Physical Sciences	433 5870
Process, Energy & Transport Engineering	433 5150
Sport, Leisure & Childhood Studies	433 5930
Tourism & Hospitality	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

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E&OE

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your views

Feedback on this Handbook is very welcome. Please contact:

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T: 021 433 5396
E: marketing@cit.ie

CIT OPEN DAYS

21st October
National Maritime College of Ireland

21st November
CIT Bishopstown Campus
CIT Crawford College of Art & Design

22nd November
CIT Cork School of Music
CIT Crawford College of Art & Design

www.cit.ie/openday

CIT CORK INSTITUTE OF TECHNOLOGY
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