

1995

Postgraduate Prospectus : 1995-1996

Dublin Institute of Technology

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REF



DUBLIN INSTITUTE
of TECHNOLOGY

Institiúid Teicneolaíochta Bhaile Átha Cliath



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Lámhleabhar Iarchéime

Postgraduate Prospectus

1995-96

Ref Only

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Dublin 1.

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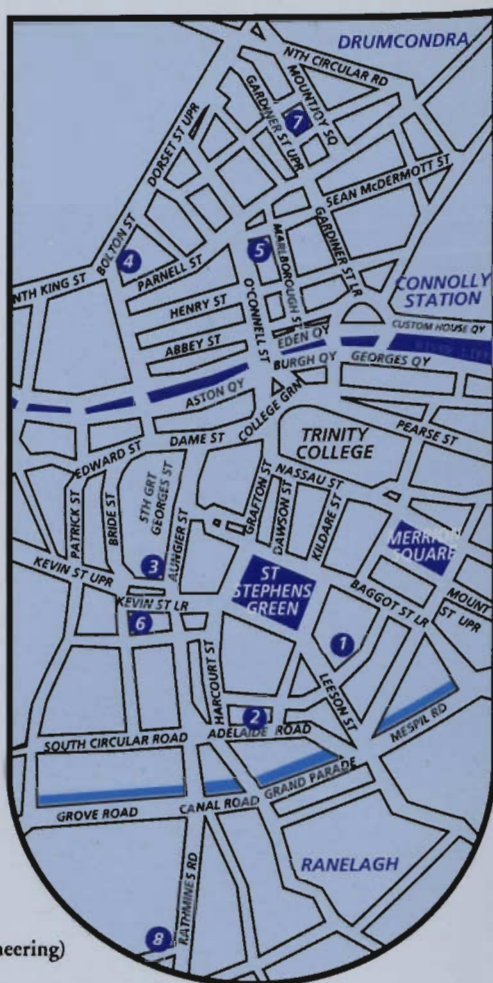
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DUBLIN INSTITUTE
of TECHNOLOGY

Institiúid Teicneolaíochta Bhaile Átha Cliath

Lámhleabhar Iarchéime

Postgraduate Prospectus

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Foreword

This booklet provides an outline of the exciting opportunities for postgraduate studies offered by the Dublin Institute of Technology. These include both taught courses and programmes of research, leading to higher level awards, for full-time students, and also for part-time students who are already in employment. They are generally vocationally oriented and have a special focus on the needs of industry and commerce and the job market.

Postgraduate courses involve scholarly work in a discipline area at a higher level and over a more sustained period than can generally be achieved in undergraduate courses. Normally postgraduate courses are undertaken in an area closely related to the student's undergraduate discipline, but they may also be pursued to broaden expertise into another related or relevant discipline area.

Postgraduate research aims to provide a fundamental training in the techniques of analysis, experimentation, investigation and synthesis and in writing up the findings in a thesis form that may lead to subsequent publication.

There is a significant and growing tradition of research and development throughout the constituent Schools/Departments of the Institute. These activities help to underpin and guarantee the relevance and standard of the syllabuses and the quality and freshness of the teaching on the courses of the Institute, both undergraduate and postgraduate. Accordingly the Institute has a strong commitment to support and promote all phases of research, development and innovation. Opportunities are provided to individuals with diverse academic, professional and industrial backgrounds, to participate in postgraduate work and study on a full-time or part-time basis.

The Institute also aims to provide continuing education opportunities to students of all ages, helping them to achieve personal fulfilment and career goals, by going to higher academic levels

in a stimulating and caring educational environment.

I am pleased to invite you therefore, to consider joining us to pursue your postgraduate studies, and in that way to participate and contribute to the development of the Dublin Institute of Technology.



Dr. Brendan Goldsmith
President

Meán Fomhair 1995



Introduction

With a history and proud record of providing technological and business education up to the highest levels extending back over 100 years, the Dublin Institute of Technology currently offers a wide range of undergraduate courses at Certificate, Diploma and Degree levels and postgraduate courses and research programmes at Graduate Diploma, Master's and Doctoral levels. Under the provisions of the Dublin Institute of Technology Act (1992) DIT became an autonomous university-level institution in January 1993.

The Colleges of the Institute have played a leading role in the development of technical, technological and business education in Ireland and the Institute is deeply involved with the latest developments in technology in various areas, while maintaining its commitment to industrial, economic and cultural development at both local and national levels.

This booklet outlines the programmes of postgraduate study both by coursework and research, which operate in the Institute, as well as the postgraduate awards offered, the entry requirements and the application procedures for these programmes.

The complete regulations for postgraduate study by research are to be found in the booklet **Regulations for Postgraduate Study by Research**, which may be obtained from the *Office for Academic Affairs, Dublin Institute of Technology, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, Ireland.*

Information about individual postgraduate and post-third-level courses may be obtained from the Contact persons cited later with each course description.

The evolving structure of DIT

The Dublin Institute of Technology was constituted from six third-level Colleges which continue to be the main centres of the Institute - DIT Adelaide Road (Music), DIT Aungier Street (Business, Communications), DIT Bolton Street (Construction, Engineering, Printing), DIT Cathal Brugha Street (Catering), DIT Kevin Street (Applied Science, Electrical/Electronic Engineering) and DIT Mountjoy Square (Marketing, Design). At the present time the Institute is being re-organised into a single, integrated institution based on six broadly discipline-related Faculties under the following proposed titles: Applied Arts and Culture, Built Environment, Business, Engineering, Science, Tourism and Food Science. It has a total enrolment of some 23,000 students including about 10,000 full-time third level students and over 500 postgraduate and other post-third level students. Under its legislation DIT has the capacity to make its own Certificate and Diploma awards and there is provision to extend this to include Degree awards in the near future.

The DIT campus in Dublin city

All of the centres of the Institute are located near the city centre, with three on each side of the river Liffey, and they are readily accessible by public transport. Students who reside or find accommodation in the suburbs, can commute easily using Dublin Bus, DART services and other commuter rail services.

Dublin, with a third-level student population of some 60,000, is a lively and exciting city with excellent services and amenities to make life as a postgraduate student an enjoyable and fulfilling experience. The Phoenix Park, the Dublin mountains, the sea, the canals, St. Stephen's Green, Grafton Street, the Temple Bar area, the many shops, restaurants, pubs, discos, theatres, cinemas and art galleries, are just some of the attractions of Dublin as a capital city.

International applicants

Most studies in the Institute are carried out in English. Therefore, international applicants, whose native language is not English, must display an adequate competence in spoken and written English. Achievement of a grade C or higher in the Cambridge Certificate of Proficiency in English, or equivalent, would indicate adequate proficiency. Such applicants should provide a transcript of the examination results indicating their proficiency in English, when they make application to pursue postgraduate studies in the Institute. The Institute may further require such applicants to demonstrate their level of proficiency by oral and/or written tests.

General resources in the Institute

Library

All DIT centres have their own local libraries. Total collections are presently in excess of 100,000 items with over 1,000 current journal titles received. Library facilities are available to all students. The postgraduate student card serves also as the student's library card. The libraries are networked into a central computer system and share a common database. The entire holdings, their location and status are displayed on the Opacs on-line terminals at each site. Registered students may borrow from any of the Institute libraries.

Each local Institute library provides study facilities, textbooks, reference materials and journals to support the courses offered and to facilitate research. Materials may be available in many alternative formats - video tapes, slides, microfilms, CD ROM's, disks, tapes, maps. Special access tools, indexing and abstracting journals, CD ROM services and on-line searching are available. All of the libraries operate a book security system to safeguard book stocks. Photocopying services are available in the different locations.

Computing

A Computer Centre at DIT Aungier Street provides a central computing service to the Institute. All of the centres are linked in a Metropolitan Area Network (MAN) in which the Computer Centre forms the hub. This MAN integrates extensive PC-based and Fileserver-based Local Area Networks (LAN's) at each site. The MAN also hosts an Institute-wide voicemail system. The Institute network (DITNET) is connected to the external world through HEANET, IEUNET and Telecom Éireann's EIRPAC service providing a full range of world-wide Internet services.

Staff and students have access to IBM-compatible PC's, Apple MAC's, Fileservers and DEC VAX minicomputer systems in an integrated networked environment. They also have access to large numbers of stand-alone PC's. A wide range of academic computing applications are supported

Restaurants

Each of the major Institute centres has restaurant facilities which provide lunches and teas at reasonable prices as well as morning and afternoon snacks, in comfortable surroundings.

Student services

Careers and Appointments Service

The Careers and Appointments Service provides help to students in regard to employment opportunities and job vacancies, through individual and group guidance. Seminars are held throughout the academic year on the job market, application procedures and interview skills. Announcements from employers about job vacancies are notified to students and recent graduates as well as to lecturers in the various Schools and Departments.

Counselling Service

The Institute provides a confidential Student Counselling Service which is staffed by a team of Counselling Psychologists with an office in

each of the centres of the Institute. This service aims to help students identify and solve difficulties that may interfere with their academic and personal development. The service offers a variety of workshops and training seminars in such areas as stress management, communication skills, etc.. Students may make an appointment by telephoning the central office or by contacting the counsellor directly in one of the centres.

Chaplaincy

The chaplains form an integral part of life in the Institute. Their work is primarily one of pastoral care. The Chaplaincy is ecumenical and is directed to all who work in the Institute. One of the principal aims of the Chaplaincy is to encourage the integration of personal, social and spiritual development with academic effort and achievement. The chaplains are readily contacted at their rooms in each centre and students are welcome to call on them at any time.

Personal Accident Insurance

All full-time postgraduate students are automatically covered by the DIT Student Personal Accident Insurance scheme. The premium is included in the Student Services Fee and cover is provided (subject to some exclusions) for a period of one year from the time of enrolment, with a wide range of benefits in respect of certified accidents that occur, irrespective of whether the student is on an Institute premises or elsewhere.

Student Services Office

The DIT Student Services Office administers a variety of services in the centres of the Institute, among them the Student Services Fund, the Student Accommodation Service, the Student Assistance Fund and the Child Care Support Fund.

The **Student Accomodation Service** is an information service provided in co-operation with the Students' Union. A list is produced of available living accommodation, both self-

catering and lodgings, including details of location, number of places, charges, etc.. This list may be obtained from the Registration Office or the Students' Union at each centre, or from the central Student Service Office.

The **Student Assistance Fund** provides limited additional support for full-time students who are experiencing temporary or unforeseen financial difficulties due to significant change of circumstances. Small financial grants may be made, having regard to the individual's needs. This fund can normally only deal with cases of extreme hardship and is available to students who have already spent at least one term in the Institute. Students are usually referred to the fund by the Student Counsellors, Chaplains, Course Tutors or Students' Union Welfare Officers.

The **Child Care Support Fund** may provide a modest level of subsidy to students who are parents and need assistance in meeting the cost of child care during the academic year. As these students are usually entitled to some State benefits and allowances, the scheme is restricted and means-tested.

Over **150 Clubs and Societies** operate throughout the Institute. They represent all of the major and minor sporting disciplines, as well as cultural and social activities and numerous course-related societies. They are in general open to postgraduate students for membership.

Student Health and First Aid

The Institute Student Health Service is located in two Health Centres, one for South city centres (Adelaide Road, Aungier Street, Kevin Street, Rathmines) and one for North city centres (Bolton Street, Cathal Brugha Street, Mountjoy Square). Consultations and initial treatment are provided at a nominal fee, to students not covered by Medical Cards. Nurses are available at each centre to deal with routine health enquiries and advice, and to make appointments to see the doctors.



The Service may also provide assistance for needy students towards the cost of dental and optometric treatments, and for help with the cost of specialist consultations and treatment recommended by the Institute's doctors.

Some centres also have an on-site First Aid service during normal lecture hours. This service is provided in association with the Order of Malta Ambulance Service.

Students' Union

This is the representative body for the students of the Institute. It promotes the social and organisational side of student life, including the clubs and societies, and represents the interests of students in the Institute.

The Students' Union operates a number of commercial services, including shops, photocopying, the issue of USIT International Student Identity Cards and travel tickets, and organises lunchtime concerts, discos and other social events.

The Students' Union provides travel and general information as well as financial and welfare advice. In this regard, the Students' Union officers work closely with the Student Services Office, the Counselling Service and the Chaplains.



Postgraduate and other Post-Third Level Courses

Advanced Technical Skills (ATS) programmes

There are seven full-time Advanced Technical Training (ATS) programmes currently available in the Institute, which are funded by the European Union through the Department of Education. As a consequence, course fees are not payable by EU students who enrol. The courses are as follows:

- (i) FT 118 Graduate Diploma in Environmental Management, Development and Control
- (ii) FT 119 Graduate Diploma in Regional and Local Development
- (iii) FT 230 MSc in Information Technology
- (iv) FT 361 European MA in Interactive MultiMedia
- (v) FT 408 Graduate Diploma in Rural Tourism
- (vi) FT 548 Graduate Diploma in Business to Business Marketing
- (vii) FT 549 Graduate Diploma in International Marketing/Languages

The Master's degrees are awarded by collaborating universities, and the Graduate Diplomas by the Dublin Institute of Technology.

Other postgraduate and post-third level courses

The Institute offers a number of other full-time post-third level courses which lead to DIT Diplomas or Degrees (of collaborating universities) or to membership qualifications of professional bodies, and generally have as minimum entry requirements a third level Diploma or a pass Degree. These courses are the following:

- (i) DT 131 Diploma in Graphic Reproduction Technology

- (ii) DT 213 Graduate Diploma of the Institute of Food Science and Technology
- (iii) DT 215 Diploma in Biomedical Sciences
- (iv) DT 219 Graduateship Diploma of the Institute of Biology
- (v) DT 299 Diploma in Chemical Sciences
- (vi) DT 305 Diploma in Public Relations
- (vii) DT 313 Institute of Chartered Accountants in Ireland
- (viii) DT 314 Diploma in Legal Studies
- (ix) DT 318 Diploma in Advertising
- (x) DT 319 Graduate Diploma in Journalism
- (xi) DT 320 Graduate Diploma in Film Production
- (xii) K 253 Diploma in Translation
- (xiii) K 254 Postgraduate Diploma in Applied Linguistics
- (xiv) A 334 Diploma in Criminology
- (xv) B 705 Graduate Diploma in Arbitration Law
- (xvi) B 706 Graduate Diploma in International Arbitration Law
- (xvii) B 707 Graduate Diploma in Land Use Economics

Further details about these postgraduate and other post-third-level course are given on subsequent pages.

Transfer possibilities offered by DIT

There is also a large number of courses throughout the Institute leading to Diplomas of the Institute and for which an entry requirement is a third level Certificate in a relevant area, usually with Merit or Distinction. Also the later years of Diploma and Degree courses in the Institute may be open to transferee students with appropriate educational levels of attainment. Inquiries about these courses and about transfer arrangements should be directed at as early a stage as possible, to the Contact person in the relevant School/Department listed later in this booklet



Application for entry to postgraduate and post-third-level courses

To apply for entry to any of the ATS programmes, the applicant should complete and return **Form GR 1 (Application for Registration for Postgraduate Study)**, obtainable from the

*Office for Academic Affairs,
Dublin Institute of Technology
Fitzwilliam House,
30 Upper Pembroke Street
Dublin 2, Ireland.*

Alternatively they may prepare an application providing the information required, using a word processor. Applicants should ensure their applications are legible by using either block letters or a typed, printed format.

Applicants from outside the Institute are required to include with their application a complete transcript of their academic record together with copies of their degree, diploma and certificate parchments. The applicant should also complete the relevant section of **Form GR 1 (R) (Reference on behalf of an Applicant for Admission to Postgraduate Study)**, and forward a copy of it to each of two referees, of appropriate academic and/or professional standing, as the application cannot be processed until these support references are received.

The referees are asked to promptly complete and forward these in confidence to the Office for Academic Affairs.

Information about entry to any other postgraduate or post-third-level course may be obtained from the relevant Contact person indicated for that course in the following pages.

Quality Assurance in postgraduate and post-third level courses

Each postgraduate and post-third-level course is subject to the Quality Assurance procedures set out in the Quality Assurance Handbook of the Institute.

Descriptions of ATS courses

In the following pages there are detailed descriptions of the ATS Courses offered by the Institute.

FT 118 Graduate Diploma in Environmental Management, Development and Control

This ATS programme, for graduates in diverse disciplines who are seeking professional careers in the private or public sectors, provides a broad knowledge of environmental concepts and management techniques.

Course outline

Complex ecological systems, environmental control - measurement techniques, legislative instruments, environmental quality assurance, environmental impact statements, environmental resource management - air, soil, water, etc., management of land use and quality of life, planning and methodologies, site visits, and a major project

Duration

One year, full-time, in modular form

Location

DIT Bolton Street

Entry requirements

Honours degree in any relevant discipline at 2.2 grade or better, or equivalent. Selection may be by interview. Inquiries to the Contact person indicated below.

Award

Graduates are eligible for the award of **Graduate Diploma in Environmental Management, Development and Control** of Dublin Institute of Technology.

Career opportunities

Graduates are eligible for a wide range of posts in Irish and international enterprises, both public and private, in both the manufacturing and service sectors

Contact person

Mr Tom Dunne, Department of Surveying and Building Technology, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999

FT 119 Graduate Diploma in Regional and Local Development

This ATS programme is aimed at honours graduates in diverse disciplines seeking state-of-the-art knowledge and specialised analytical skills in the field of local and regional development. The course prepares the students to act as managers and professional advisors in the public, private and community sectors in this field.

Course outline

Regional development in Europe and Ireland, factors in regional development, economics, technology, administration, environment, culture, communications, methods and instruments, analysis, strategic priorities, instruments, design and implementation, integrated strategies - rural and urban, site visits, a major project

Duration

One year, full-time, in modular form

Location

DIT Bolton Street

Entry requirements

Honours degree in any relevant discipline at 2.2 grade or better, or equivalent. Selection may be by interview. Inquiries to the Contact person indicated below.

Award

Graduates are eligible for the award of **Graduate Diploma in Regional and Local Development** of Dublin Institute of Technology.

Career opportunities

Graduates are eligible for a range of posts in Ireland and Europe, in public and private enterprises and with regional and local development authorities.

Contact person

Mr Tom Dunne, Department of Surveying and Building Technology, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999



FT 230 MSc in Information Technology

This ATS programme is aimed at preparing students in the application of strategic information technology (IT) to modern business and commerce. It provides a bridge of understanding between the providers of IT (programmers, systems analysts and network specialists) and business managers and/or decision-makers aimed at helping to improve enterprise efficiency.

Course outline

Information technology, modelling, databases, systems analysis, research methodology, neural networks, artificial intelligence, management techniques, and a project

Duration

One year, full-time

Location

DIT Kevin Street

Entry requirements

Honours degree in Computer Science or related discipline at 2.2 grade or better, or equivalent. Selection may be by interview. Inquiries to Contact person indicated below.

Award

Graduates of the course are eligible for the award of **MSc in Information Technology** of Staffordshire University (UK).

Career opportunities

Graduates have good career prospects in the rapidly developing areas relating to the application of information technology in industry, commerce and public services.

Contact person

Dr. Brendan O'Shea, Department of Mathematics, Statistics and Computer Science, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4607
Fax no. 353 - 1 - 402 - 4999

FT 361 European MA in Interactive MultiMedia

This ATS programme is offered jointly in six European centres of media education (Royal College of Art (UK), London Institute, Hogeschool voor de Kunsten Utrecht, CNBDI/ENSICI Les Ateliers, Universitat de les Illes Balears and DIT) under the umbrella of the Centre for International Technology and Education (CITE).

Course outline

Contemporary development of the mass market and professional applications of multimedia, project leadership and management, design, environment, narrative, evaluation, interactivity and navigation, costing and finance, funding, intellectual property law, market analysis, project monitoring, and a major production project

Duration

48 weeks, full-time

Location

DIT Aungier Street

Entry requirements

Primary degree (or equivalent) in any discipline relevant to media design, production, marketing and management and at least one year's relevant work experience. Selection by interview. Inquiries to Contact person indicated below.

Award

Graduates of the course are eligible for the award of **European MA in Interactive MultiMedia**, awarded by Royal College of Art (UK).

Career opportunities

Graduates find employment in a wide range of media and multimedia companies and enterprises, and in companies making use of multimedia productions.

Contact person

Mr. Charles Pritchard, DIT Aungier Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 3047
Fax no. 353 - 1 - 402 - 3003



FT 408 Graduate Diploma in Rural Tourism

This ATS programme aims to equip the students with necessary practical skills and knowledge to enable them to successfully manage, co-ordinate and plan for the development of rural tourism in local communities. Central to this aim is the promotion of excellence and professionalism, and the awareness of the need for projects that are economically, socially, environmentally and culturally sustainable.

Course outline

Tourism, environmental management, environmental planning, law, French or German, management, marketing, catering, computer applications, site visits, and a project

Duration

One year, full-time

Location

DIT Cathal Brugha Street

Entry requirements

Degree or diploma in a relevant discipline or equivalent. Selection may be by interview. Inquiries to the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Rural Tourism** of Dublin Institute of Technology.

Career opportunities

Graduates will have enhanced and broader career prospects in this developing sector. The opportunities extend throughout the country and graduates are likely to develop their own projects and enterprises in the years ahead.

Contact person

Mr. Michael Mulvey, School of Hotel, Tourism and Catering Management, DIT Cathal Brugha Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4353
Fax no. 353 - 1 - 402 - 4499

FT 548 Graduate Diploma in Business to Business Marketing

This ATS programme is a conversion course for non-business graduates of all disciplines. The course is specifically aimed at graduates in science, engineering and technology, but graduates from other disciplines such as law, economics, social sciences, communications and arts, will find the course of benefit to their career development.

Course outline

Marketing, finance, communications, quantitative methods/information technology, consumer behaviour, management, strategic marketing, marketing communications and research, business policy, business to business/services marketing, entrepreneurship, selling and sales management, one day per week work placement, and a project

Duration

One year, full-time, in two semesters

Location

DIT Mountjoy Square

Entry requirements

Honours degree in a discipline other than business or marketing, or equivalent. Selection may be by interview. Inquiries to the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Business to Business Marketing** of Dublin Institute of Technology.

Career opportunities

Graduates will have enhanced career prospects in their basic disciplines and also are eligible for a range of posts in Irish and international marketing and business.

Contact person

Ms Kate Uí Ghallachóir, School of Business and Management, DIT Mountjoy Square, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4135
Fax no. 353 - 1 - 402 - 4292



FT 549 Graduate Diploma in International Marketing/Languages

This ATS programme is a conversion course for non-business graduates in all languages. It is designed specifically for graduates in continental languages who seek a career in international business.

Course outline

Marketing, finance, quantitative methods/information technology, consumer behaviour, management, languages (French, German or Italian or Spanish on demand), strategic marketing, marketing communications and research, business policy, international marketing theory and practice, and a project relating to international markets

Duration

One year, full-time, in two semesters

Location

DIT Mountjoy Square

Entry requirements

A degree at 2.1 grade or better in a relevant language, or equivalent. Other applicants must demonstrate a thorough fluency in a continental language. Selection may be by interview. Inquiries to the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Marketing/Languages** of Dublin Institute of Technology.

Career opportunities

Graduates have enhanced career prospects in their own disciplines and also are eligible for a wide range of posts in Irish and international marketing and business.

Contact person

Ms Kate Uí Ghallachóir, School of Business and Management, DIT Mountjoy Square, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 4135

Fax no. 353 - 1 - 402 - 4292

Descriptions of other postgraduate and post-third level courses

In the following pages there are detailed descriptions of the other postgraduate and post-third level courses offered by the Institute.



DT 131 Diploma in Graphic Reproduction Technology

This one year course is a response to the needs of the graphic industries for creative personnel with experience of production and finishing processes in the graphic arts.

Course outline

Graphic design, typographic design, desk top publishing, origination, planning, graphic reproduction, printing processes, administration, and project work

Duration

One year, full-time

Location

DIT Bolton Street

Entry requirements

Degree or National Diploma in Design, or National Certificate in Design with Distinction or Merit or National Certificate in Design with one year's relevant experience, or equivalent. Applicants must present a portfolio of recent work at a selection interview. Inquiries to the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Diploma in Graphic Reproduction Technology** of Dublin Institute of Technology.

Career opportunities

Graduates find employment with advertising agencies, design studios, printing firms and publishing companies. They should also be capable of setting up and running their own studios.

Contact person

Mr. Brian Kennedy, Department of Printing, DIT Bolton Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 3701
Fax no. 353 - 1 - 402 - 3999

DT 213 Graduate Diploma of the Institute of Food Science and Technology

This course prepares students for external examinations of the Institute of Food Science and Technology (UK) leading to its Diploma, which is equivalent to an honours degree.

Course outline

Chemistry, biochemistry and properties of food, microbiology, human nutrition, principles of the production and distribution of food

Duration

One year, full-time or three years part-time

Location

DIT Kevin Street

Entry requirements

BSc in relevant subject or equivalent, application through the Contact person indicated below

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Food Science and Technology** of the Institute of Food Science and Technology (UK).

Career opportunities

Graduates may proceed to postgraduate studies leading to the award of MSc or PhD. They also obtain employment as professional food technologists within the food industry, in research, development or quality control.

Contact person

Mr. John McEvoy, Department of Biological Sciences, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4884
Fax no. 353 - 1 - 402 - 4999



DT 215 Degree/Diploma in Biomedical Sciences

This two-year course is aimed at students who have completed the Certificate Courses in Medical Laboratory Sciences of the DIT or RTC's in Cork or Galway.

Course outline

Cell biology/molecular genetics, applied immunology, pathology, epidemiology, pharmacology, biochemistry, analytical sciences/measurement and instrumentation, management studies, biological basis of disease, specialist major and minor subject, and a research project

Duration

Two years, full-time

Location

DIT Kevin Street

Entry requirements

Certificate in Medical Laboratory Sciences or a cognate degree, diploma, certificate or equivalent. Application through the Contact person indicated below.

Award

Graduates are eligible for the award of **Diploma in Biomedical Sciences** of Dublin Institute of Technology and **BSc (Applied Sciences)** of University of Dublin, both with honours classification. They are also eligible for Associateship of the Institute of Medical Laboratory Sciences (UK).

Career opportunities

Graduates may apply for posts in the medical laboratories in Ireland, the EU, and in medical research, diagnostic marketing, biotechnology and pharmaceuticals.

Contact person

Mr. Joe Vaughan, Department of Biological Sciences, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4748
Fax no. 353 - 1 - 402 - 4999

DT 219 Graduateship Diploma of the Institute of Biology

This Diploma is equivalent to an honours degree and second level teachers who hold it, qualify for an honours degree allowance.

Course outline

Analytical methodology, metabolism, immunology, molecular genetics, computer methods, laboratory course, applied aspects of microbial and plant biochemistry, biotechnology, aspects of enzyme and animal products, applications of cell biology, genetic engineering, radioisotopes, and a project

Duration

One and a half years, full-time

Location

DIT Kevin Street

Entry requirements

Part I of the Institute of Biology, an appropriate BSc (pass) degree, Distinction or Merit in Technician Diploma in Applied Sciences (Biology Option) of DIT, or equivalent. Application through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduateship Diploma of the Institute of Biology** with honours classification.

Career opportunities

Graduates may proceed to postgraduate studies leading to the award of MSc or PhD, and apply for biochemist positions in the hospital services, industry and state organisations.

Contact person

Ms. Bríd Ann Ryan, Department of Biological Sciences, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4562
Fax no. 353 - 1 - 402 - 4999

DT 299 Degree/Diploma in Chemical Sciences

This course extends over three semesters and aims to provide a pathway for graduates with a pass degree/LRSC qualification to become eligible for the professional award of Graduateship of the Royal Society of Chemistry (GRSC)

Course outline

Inorganic chemistry, organic chemistry, physical chemistry, analytical chemistry, chemical technology, and a research/development project

Duration

One and a half years, full-time

Location

DIT Kevin Street

Entry requirements

Distinction or Merit in Technician Diploma in Applied Sciences (Chemistry Option) of DIT, a pass in a BSc (general) in Chemistry with at least one year's relevant experience, or equivalent. Application through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Diploma in Chemical Sciences** of Dublin Institute of Technology and **BSc (Chemical Sciences)** of Dublin City University, both with honours classification. This course fulfils the educational requirements for Graduateship of the Royal Society of Chemistry (UK).

Career opportunities

Honours graduates may proceed to postgraduate studies leading to the award of MSc or PhD, or enter employment in a wide range of chemical industries.

Contact person

Dr. Noel Russell, Department of Chemistry,
DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4570
Fax no. 353 - 1 - 402 - 4999

DT 305 Diploma in Public Relations

This one-year programme is designed to prepare students for immediate employment in public relations consultancies or in-house public relations departments.

Course outline

Core: Introduction to the public relations function, techniques and application of these; context in which they are applied, communications especially written
Related knowledge and Skills: Business management, print production, office technology, television and video, marketing, social psychology and inter-personal behaviour, law, advertising, mass media, theory of mass communication, photography, politics and economics, written and oral proficiency in a European language other than English

Duration

One year, full-time

Location

DIT Aungier Street

Entry requirements

Third level qualification of at least a two-year Certificate with Distinction or Merit. Applications on special application form (obtained from the Contact person indicated below) must be received before closing date of 21 April 1996 (5.00 pm).

Award

Graduates of the course are eligible for the award of **Diploma in Public Relations** of Dublin Institute of Technology. This Diploma is recognised as fulfilling the educational requirement for membership of the Public Relations Institute of Ireland and of the Institute of Public Relations (UK).

Contact person

Mr. Frank Lane, School of Professional and Social Studies, DIT Aungier Street, Dublin 2, Ireland.
Telephone no. 353 - 1 - 402 - 3034
Fax no. 353 - 1 - 402 - 3003



DT 313 Institute of Chartered Accountants in Ireland

This one-year full-time course forms part of the programme of the Institute of Chartered Accountants in Ireland and it prepares students for the professional examinations (II) of the Institute.

Course outline

Financial accounting II, law II (company and partnership), business information systems, taxation I, management accounting

Duration

One year, full-time

Location

DIT Aungier Street

Entry requirements

All intending students must have obtained from the Institute of Chartered Accountants in Ireland, a certificate of the acceptability of their qualifications and also a training contract. They must also have passed or be exempted from the professional examinations (I) of the Institute. Application is then through the Contact person indicated below.

Award

External professional examination (II) of Institute of Chartered Accountants in Ireland.

Career opportunities

Details of career opportunities available from Institute of Chartered Accountants in Ireland, 87/88 Pembroke Road, Dublin 4, Ireland (telephone no. 353 - 1 - 668 - 0400).

Contact person

Dr. Ellen Hazelkorn, DIT Aungier Street, Dublin 2, Ireland.
Telephone no. 353 - 1 - 402 - 3217
Fax no. 353 - 1 - 402 - 3003

DT 314 Diploma in Legal Studies

This one-year full-time course provides a programme in six core areas of law. The Diploma is relevant to those employed in commerce and services, in both public and private sectors.

Course outline

Company law, constitutional law, law of contracts, criminal law, law of property, law of torts

Duration

One year, full-time or two years part-time

Location

DIT Aungier Street

Entry requirements

Entry is open to degree holders and law clerks of seven years standing, and selection is by interview. Application is through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Diploma in Legal Studies** of Dublin Institute of Technology.

Career opportunities

Some students who plan to become solicitors, avail of this course to prepare for the final Part I examination of the Incorporated Law Society.

Contact person

Dr. Ellen Hazelkorn, DIT Aungier Street, Dublin 2, Ireland.
Telephone no. 353 - 1 - 402 - 3217
Fax no. 353 - 1 - 402 - 3003



DT 318 Diploma in Advertising

This one-year, full-time course is aimed at new entrants to the advertising industry and is the product of close involvement with the industry.

Course outline

Advertising management, principles of marketing, marketing communications, creative function, production techniques, copywriting, art direction, creative teamwork, guided group work, media planning, client service, marketing management, and a major assignment

Duration

One year, full-time or two years part-time

Location

DIT Aungier Street

Entry requirements

Entry is open to holders of recognised third level qualification at degree, diploma or certificate level. Application is through the Contact person below.

Award

Graduates of the course are eligible for the award of **Diploma in Advertising** of Dublin Institute of Technology.

Career opportunities

Graduates obtain employment in advertising agencies and related services, sales promotion, design and art direction, brand management, direct marketing. Further information from **Institute of Advertising Practitioners in Ireland**, 35 Upper Fitzwilliam Street, Dublin 2, Ireland (telephone no. 353 - 1 - 676 - 5991).

Contact person

Mr. Frank Lane, School of Professional and Social Studies, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3034

Fax no. 353 - 1 - 402 - 3003

DT 319 Graduate Diploma in Journalism

This one-year, full-time course provides training and education in print and broadcast journalism. It is designed to prepare students for employment as journalists.

Course outline

Structure and management of Irish media in an international context, print journalism, broadcast journalism, law, new technologies in the media, investigative journalism project, and a dissertation

Duration

One year, full-time

Location

DIT Aungier Street

Entry requirements

Entry is confined to holders of primary degree or equivalent, of diverse disciplines. Places reserved for graduates whose working language is Irish. Selection may be by interview. Application is through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Journalism** of Dublin Institute of Technology.

Career opportunities

Graduates of the course are well equipped for employment in both print and broadcast journalism.

Contact person

Mr. Frank Lane, School of Professional and Social Studies, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3034

Fax no. 353 - 1 - 402 - 3003



DT 320 Graduate Diploma in Film Production

This one-year, full-time course provides training and education in film production. It is designed to prepare students for employment in the film industry.

Course outline

Analysis of film, film editing, contemporary European film, film culture of USA, film direction, film production, business of film, film project, and a dissertation

Duration

One year, full-time

Location

DIT Aungier Street

Entry requirements

Entry is confined to holders of primary degree or equivalent from diverse disciplines. Selection may be by interview. Application is through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Film Production** of Dublin Institute of Technology.

Career opportunities

Graduates of the course are suitable for employment in the film industry.

Contact person

Mr. Frank Lane, School of Professional and Social Studies, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3034

Fax no. 353 - 1 - 402 - 3003

K 253 Diploma in Translation

This one-year, part-time course provides training in translation leading to the diploma in Translation of the Institute of Linguists Education Trust.

Course outline

Translation techniques and practice (French, German, or Spanish or Italian)

Duration

1.5 years, part-time

Location

DIT Kevin Street

Entry requirements

Entry is confined to holders of primary degree in French, German, Spanish or Italian, or equivalent. Selection may be by interview. Application is through the Contact person indicated below.

Award

Students are prepared for external examinations of the Institute of Linguists Education Trust for the **Diploma in Translation** of that Institute.

Career opportunities

Graduates find work opportunities as translators with international organisations and companies doing business in continental Europe.

Contact person

Mr. Dermot Campbell, Department of Languages and Industrial Studies, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 402 - 4610

Fax no. 353 - 1 - 402 - 4999



K 254 Postgraduate Diploma in Applied Linguistics

This one-year, part-time course provides training for teachers of languages (French or German), or of English as a foreign language, in preparation for the postgraduate diploma in Applied Linguistics of the Institute of Linguists Education Trust.

Course outline

Linguistic theories, evaluation of language teaching, practical language teaching methodology

Duration

One year, part-time

Location

DIT Kevin Street

Entry requirements

Entry is confined to holders of primary degree in French, German, or English, with at least two years' language teaching experience, or equivalent. Selection may be by interview. Application is through the Contact person indicated below.

Award

Students are prepared for external examinations of the Institute of Linguists Education Trust for the **Postgraduate Diploma in Applied Linguistics** of that Institute.

Career opportunities

Graduates have improved ability to teach languages and have enhanced career prospects in Ireland and abroad.

Contact person

Mr. Dermot Campbell, Department of Languages and Industrial Studies, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 402 - 4610

Fax no. 353 - 1 - 402 - 4999

A 334 Diploma in Criminology

This two-year full-time course is for persons working in a position requiring an overall appreciation and perspective of the criminal justice system.

Course outline

Jurisprudential concepts, criminal law, history of criminological theory, history of penological theory, criminal justice system in Ireland, current criminological issues, current penological issues, logic of inquiry

Duration

Two years, part-time

Location

DIT Aungier Street

Entry requirements

Open to degree holders, or equivalent, working in areas germane to criminology. Application is through the Contact person indicated below.

Award

Graduates of the course are eligible for the award of **Diploma in Criminology** of Dublin Institute of Technology.

Contact person

Dr. Ellen Hazelkorn, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3217

Fax no. 353 - 1 - 402 - 3003



B 705 Graduate Diploma in Arbitration Law

This one-year, part-time course provides participants with a knowledge of both law and arbitration including the Arbitration Acts of 1954 and 1980. It was developed in co-operation with the Irish branch of the Chartered Institute of Arbitrators.

Course outline

Legal principles, civil procedure and evidence, contract and tort, arbitration law and procedure, alternative methods of dispute resolution

Duration

One year, part-time

Location

DIT Bolton Street

Entry requirements

Entry is confined to holders of relevant professional qualifications (law, engineering, architecture, surveying, accountancy, insurance, etc.), or exceptionally those with substantial relevant experience.

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Arbitration Law** of Dublin Institute of Technology.

Career opportunities

Graduates have enhanced career prospects in a wide range of fields.

Contact person

Mr. Tom Dunne, Department of Surveying and Building, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999

B 706 Graduate Diploma in International Arbitration Law

This one-year, part-time course provides participants with a knowledge of the practice of international arbitration law and procedures. It was developed in co-operation with the Irish branch of the Chartered Institute of Arbitrators.

Course outline

Comparative law and procedures, international arbitration practice and procedure

Duration

One year, part-time

Location

DIT Bolton Street

Entry requirements

Entry is confined to holders of DIT Diploma in Arbitration Law (B 705), Fellows of Chartered Institute of Arbitrators, or equivalent

Award

Graduates of the course are eligible for the award of **Graduate Diploma in International Arbitration Law** of Dublin Institute of Technology.

Career opportunities

Graduates have enhanced career prospects in their own field and in a wide range of other fields.

Contact person

Mr. Tom Dunne, Department of Surveying and Building, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999



B 707 Graduate Diploma in Land Use Economics

This two-year, part-time course provides the educational requirements for practice as a Planning and Development Surveyor.

Course outline

Valuations, law, urban land economics, taxation and rating, building technology and management, principles and techniques of planning, planning and development policies practice and procedures

Duration

Two years, part-time

Location

DIT Bolton Street

Entry requirements

Entry to holders of recognised professional qualification in planning, architecture, surveying, engineering, law, accountancy, and suitable work experience in built environment field, or equivalent

Award

Graduates of the course are eligible for the award of **Graduate Diploma in Land Use Economics** of Dublin Institute of Technology.

Career opportunities

Graduates meet the educational pre-requisites for practice as Planning and Development Surveyors.

Contact person

Mr. Tom Dunne, Department of Surveying and Building, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999



Postgraduate Studies by Research in DIT

Research

Research work is recognised as an invaluable means of training a postgraduate student in examining problems and reviewing the literature for guides to solutions. It gives the student experience in working independently, designing experiments to test theoretical hypotheses, describing thoroughly the results of such experiments, extracting the conclusions from these results and relating these to the fundamental problems. The guiding principle is to develop a comprehensive and critical understanding of the subject under examination in the project or study, as well as perhaps its general features and related issues.

Research and development projects may be carried out in the wide areas of scholarship in which the Institute has relevant expertise. These involve areas of scientific, commercial, industrial, social, professional and artistic scholarship relating to the range of disciplines within the Institute. Interdisciplinary work and collaborative research projects with other educational, research, industrial, commercial, professional or governmental organisations in Ireland, in the European Union and further afield, are especially encouraged.

The development of research activities throughout the Institute is promoted because of its strong role in helping to maintain the standard, quality and relevance of the undergraduate and postgraduate courses offered by DIT. Research, development and consultancy work is viewed as vital in underpinning the key teaching functions within the Institute. It is also a most fruitful way in which the Institute can contribute to the development of wealth creation and progress in Ireland and the European economy.

Research has been a significant activity in a number of schools and departments across the Institute over the past 25 years but since 1989 a concerted plan for the development of research has been in operation. Emphasis has been

placed on development of the following broad strategic areas, based on national priorities as well as undergraduate strengths within the Institute:

- **Environment**
- **Construction and Property**
- **Engineering, Applied Sciences and Materials**
- **Tourism and Hospitality**
- **Information Technology**
- **Biotechnology**
- **Food**
- **Chemicals and Pharmaceuticals**
- **Business and Finance**
- **Marketing**
- **Applied Communications**
- **Applied Economics and Social Science**
- **Design**
- **Humanities (Music and Drama)**

Within the context of this concerted approach, considerable progress has been made in facilitating members of staff embarking on research and taking on postgraduate students to engage in this work. A strong research ethos has developed and the Institute's policy is to foster and encourage this in every way possible. Currently the Institute has about 200 postgraduate research students and other research assistants working principally in areas of science, technology and marketing.

Postgraduate awards offered

The Institute offers three types of programme, each leading to a different level of award for successful postgraduate research work, as follows:

- (i) **The Graduate Diploma (Research)** normally requires the equivalent of one year of research work on a project at an advanced level in an appropriate discipline. A thesis is prepared by the candidate, which is a substantial written report and may include other elements such as models, design, artistic composition, audiovisual or multimedia materials, etc., as

required. This type of programme encourages research of an applied nature and aims to be a preliminary exposure to the methodology and practice of research.

(ii) The **Master's Degree** normally requires the equivalent of up to two years' research at an advanced level. A thesis is required which demonstrates independent thought and work by the student, a scholarly approach and a critical appreciation of the context and significance of the study being pursued. The thesis may encompass models, design, artistic composition, audiovisual and multi-media materials, etc., depending on the discipline and on the nature of the project.

(iii) The **Doctoral Degree** normally requires the equivalent of at least three years' independent and original research work, and a thesis or an alternative presentation which makes an important contribution to the existing body of knowledge in the discipline, recording new discoveries or interpretations. The Doctoral thesis should show the student's critical ability and her/his capacity to undertake independent research at a high level. In this case also the thesis may encompass models, design, artistic composition, audiovisual and multi-media materials, etc., depending on the discipline involved and on the nature of the project.

As the Institute has not yet been given the capacity to confer its own degree awards, arrangements are made with collaborating universities - University of Dublin (Trinity College), Dublin City University and others - to facilitate students of the Institute to register with one of them and to submit their thesis for the award of an appropriate higher degree when they have completed the requisite research programme.

Within the framework of these programmes, the Institute recognises the need for flexibility in defining the nature and scale of the academic research being pursued and in providing suitable pathways for advancement for motivated individuals with ability in research.

Methods of entry to postgraduate research Registers

(i) In order to qualify for entry to the **Graduate Diploma (Research) Register**, an applicant must normally possess at least the equivalent of a pass primary degree in a relevant discipline and demonstrate an aptitude for, and ability to carry out research work at the appropriate level. Relevant work-experience may also be taken into account in determining a candidate's acceptability.

(ii) To qualify for direct entry to the **Master's Register**, an applicant must possess the

Postgraduate programmes through research in the Institute

Title of Award (abbreviation)	Direct entry requirement (minimum)	Normal duration	Final production
Graduate Diploma (Research) (<i>GradDip(Res)</i>)	degree (pass)	1 year	thesis
Master's Degree (<i>MSc, MMgmt, MBS, etc.</i>)	degree (honours)	2 years	thesis
Doctoral Degree (<i>PhD</i>)	Master's degree	3 years	thesis

[Both Master's and Doctoral degrees are awarded by a collaborating university.]



equivalent of at least a second class honours primary degree in a relevant subject or discipline area. The work-experience of an applicant may also be relevant in determining acceptability.

(iii) To qualify for direct entry to the **Doctoral Register** an applicant must possess a Master's Degree in a related subject or discipline area.

In exceptional circumstances, an applicant who does not possess the minimum academic entry qualifications as stipulated above, may apply to register for a higher degree, provided she/he can demonstrate aptitude and ability to carry out research work. Such applicants should in the first instance, contact the Head of the relevant DIT School/Department to discuss their research and/or industrial or professional practical experience. Normally such an applicant may in the first instance, be admitted to the **Graduate Diploma (Research) Register**, or exceptionally to the **Master's Register**.

Before making formal application it is advisable to contact the Contact person in the DIT School/Department (indicated later in the outline description of each individual School and Department), where the applicant may wish to work, in order to decide on a topic for the research work and to find a prospective research Supervisor within the Institute. This contact will allow a thorough discussion of the proposed research project at an early stage, between the prospective postgraduate student and the prospective Supervisor. It will also facilitate discussion of funding arrangements and the availability of laboratory and other resources required.

If it is proposed that some or all of the work be carried out outside the Institute, details of the facilities and supervision available should be documented. Where an applicant already has relevant research, industrial, professional or other practical experience, this discussion will help the prospective Supervisor and the Head of

School/Department to evaluate work-experience which may also meet part of the prerequisites for entry. Through such discussion the applicant may also be assisted in identifying the appropriate postgraduate Register for which to apply.

Transfer between programmes

Where the level of research attainment or demonstrated academic ability of the postgraduate student and the nature of the research project are deemed appropriate, a student may apply to transfer her/his registration to that for a higher level of award.

A postgraduate student having worked successfully for the equivalent of one half academic year full-time on the **Graduate Diploma (Research) Register**, may apply to take a Master's qualifying examination for transfer to the **Master's register**.

A postgraduate student, who has worked for the equivalent of at least one year full-time on the **Master's Register** and whose research is deemed to be of an appropriate standard, may apply for transfer to the **Doctoral Register**.

Decisions on transfer applications are made by the DIT Postgraduate Studies Committee. Transfer is conditional on the recommendation of the candidate's Supervisor and the approval of the relevant Head of School/Department. If permission to transfer is granted in advance of the applicant's submission of a thesis for a lower level of award, the research work done for this award may be incorporated retrospectively into the work required for the higher level award.

Research work is normally carried out within the Institute. Where research work is interdisciplinary, or involves collaboration with external organisations, or is on a part-time basis, permission may be granted by the appropriate Head of School/Department for the work to be undertaken externally, subject to the subsequent approval of the DIT Postgraduate Studies Committee.

Application for entry

To apply for entry to any programme, the applicant should complete and return **Form GR 1 (Application for Registration for Postgraduate Study)**, obtainable from *Office for Academic Affairs, Dublin Institute of Technology, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, Ireland.*

Alternatively they may prepare an application providing the information required, using a word processor. Applicants should ensure their applications are legible by using either block letters on a typed, printed format.

Applicants from outside the Institute are required to include with their application, a complete transcript of their academic record together with copies of their degree, diploma and certificate parchments.

The applicant should also complete the relevant section of **Form GR 1 (R) (Reference on behalf of an Applicant for Admission to Postgraduate Study)**, and forward a copy of it to each of two referees of appropriate academic and/or professional standing. As the application cannot be processed until these support references are received, the referees are required to promptly complete and forward them in confidence to the Office for Academic Affairs.

Processing of an application

All applications for entry to postgraduate study by research are considered by the DIT Postgraduate Studies Committee. This Committee liaises with the appropriate Head of School/Department in relation to each individual applicant, proposed area(s) of research having regard to internal resources and expertise, and the appointment of the research Supervisor. The Committee may also make contact with the candidate or with the referees to clarify any aspect of the application. The application may only be

approved by the Postgraduate Studies Committee after this consultation is completed. The applicant is notified of the decision of the Committee by the Office for Academic Affairs. The applicant must register at the Office for Academic Affairs on an appointed date, after which a Postgraduate Student Card is issued.

Registration must be renewed annually.

Quality assurance in research programmes

The Postgraduate Studies Committee of Academic Council has responsibility for overseeing the application of the **Regulations for Postgraduate Study by Research** in relation to all postgraduate research programmes.

Under these regulations, the Supervisor and the postgraduate student are required

- (i) to agree on a programme for the proposed research and on the nature and extent of guidance required;
- (ii) to agree a regular schedule of meetings;
- (iii) to discuss significant problems and potential difficulties as early as possible;
- (iv) to each make six-monthly progress reports on the work to the Postgraduate Studies Committee;
- (v) to agree on a decision to apply for transfer to a higher level Register;
- (vi) to agree on a decision to transfer to a lower level Register;
- (vii) to agree on a date for submission of the thesis.

The postgraduate student is required

- (i) to maintain progress on the work schedule in consultation with the Supervisor;
- (ii) to present written material on the work as required by the Supervisor;
- (iii) to give three months' notice of intention to submit a Master's or Doctoral thesis to the Postgraduate Studies Committee.



Fees and Funding

Fees

Annual fees for DIT postgraduate programmes are made up of two components relating to (i) tuition fees and (ii) registration/student services/examination fees. The current fee levels are as follows:

	Tuition	Registration
Graduate Diploma (Research)	£ 990	£ 150
Postgraduate course	£ 990	£ 150
Overseas students	£3730	£ 150
ATS	—	£ 150

In some cases students may also have to pay appropriate **additional fees** to professional or other external bodies or institutes involved in the awards relating to programme.

Funding

(i) Higher Education Grants

A student who holds a Higher Education Grant when completing her/his primary degree and who is admitted to a postgraduate programme conducted by the Institute may be eligible to apply for a continuation of the Higher Education Grant from the Local Authority where her/his parents or guardians normally reside.

Information on eligibility, conditions (including closing date) and application forms are available from the appropriate Local Authority (County Council or Corporation).

A mature student (23 years on 1 January of the year of entry to a programme), admitted to a postgraduate programme conducted by the Institute may be eligible to apply for a Higher Education Grant from the Local Authority where her/his parents or guardians normally reside.

Information on eligibility, conditions (including closing date) and application forms are available from the appropriate Local Authority (County Council or Corporation).

(ii) VEC Scholarships

A student admitted to a postgraduate programme conducted by the Institute may be eligible to apply for or continue to benefit from a VEC Scholarship from the Vocational Education Committee where her/his parents or guardians normally reside. Information on eligibility, conditions (including closing date) and application forms are available from the appropriate Vocational Education Committee.

(iii) Seed Funding Scheme

A Seed Funding Scheme is resourced from the Institute's funds and is aimed especially at assisting staff members initiating research projects. Some £150,000 is made available annually in support of about 50 projects, with a maximum of £4,000 per project. The grant may be used to recruit research students or assistants, to purchase equipment or to fund essential travel or subsistence costs. In assisting over 400 projects since its inception, this scheme has played a major role in fostering a research ethos within the Institute.

The Seed Funding Scheme is advertised internally in the Institute each year and applications for Seed Funding grants are made in response to this advertisement.

(iv) Strategic Research and Development programme

The DIT Strategic Research and Development (SRD) programme is funded by the European Social Fund through the Department of Education and provides postgraduate students with training in research and development in strategic technological areas. The principal aims are to enhance research and development capability in Ireland and to strengthen links between the Institute and industry/commerce in Ireland and Europe. Industry/commerce involvement is a key feature of projects under this programme. Some 32 postgraduate students are recruited annually and there are currently about 80 students involved at various stages of their projects. Already some 20 students have graduated

with Master's degrees from the programme and in general it has greatly enhanced research activity in the Institute.

A call for applications for studentships under the SRD programme is made annually through advertisements in the national press. Enquiries can however be made at any time during the year to **Mr. Bob Kavanagh, DIT Central Office, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, Ireland.**

Telephone no. 353 - 1 - 402 - 3337

Fax no. 353 - 1 - 402 - 3339

(v) Postgraduate Scholarships

The Postgraduate Scholarship scheme was initiated in 1994, when awards were made to 20 postgraduate students. A similar number are now awarded annually. The scheme is funded from Institute resources and is aimed at assisting participants while increasing the number of postgraduate students in the Institute. Together with the schemes already mentioned, it has also played a major role in fostering a research ethos across the Institute.

A call for applications for studentships under the Postgraduate Scholarship programme is made annually in advertisements in the national press. Enquiries can however be made at any time during the year to

Mr. Rea O'Neill, DIT Central Office, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3369

Fax no. 353 - 1 - 402 - 3339

(vi) Irish American Partnership Scholarships

Scholarships funded by the Irish American Partnership and Irish industry in collaboration with FORBAIRT, provide grants of £7,000 over two years for Master's degree research work in certain areas. Application forms and details may be obtained from the **Irish American Partnership, Tara House, 32 Lower Baggot Street, Dublin 2, Ireland**

These grants may be available to applicants with a good honours degree in Engineering or Science and

who wish to work towards a Doctoral degree in a basic research area. Application forms may be obtained from **FORBAIRT, Glasnevin, Dublin 9** and must be submitted by 1 July each year.

(viii) Other funding sources

Staff members of the Institute have been successful over the years in attracting research grants from industry, from the FORBAIRT Applied Research Programme, from the FORBAIRT Higher Education Industry Co-operation Programme, from the EU Framework Programme and from a range of other public bodies and private agencies.

Advertisements for studentships on such projects are generally made in the national press but enquiries may be made at any time during the year to

Mr. Rea O'Neill, DIT Central Office, Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3369

Fax no. 353 - 1 - 402 - 3339

(ix) Sponsorship by Employers

Employers may sponsor an employee to pursue postgraduate studies by research within the Institute, or to attend a postgraduate course. Arrangements are made between the employer, the employee and the Contact person in the relevant School or Research Centre of the Institute. The work may be related to a problem identified by an employer as being of interest to her/his firm and the expertise and facilities of the Institute may be of particular assistance in its investigation and solution.

(x) Post-doctoral Fellowships

A scheme to fund six Post-doctoral Fellowships within the Institute was initiated in 1995, with the aim of further enhancing the standard of the research work in key areas in DIT.

Advertisements for Post-doctoral Fellowships are occasionally placed in the national press but enquiries may also be made at any time during the year to the Office for Academic Affairs.



DIT Research Centres and Special Projects

Different Schools and Departments within the Institute have over the years established close links with industry, commerce and other bodies. As resources became available from the State, the EU or from sponsorship, additional equipment and facilities were developed to provide a better teaching and research service. Specialist staff were taken on, in some cases to work full-time on projects. Some of these specialists have continued to work in areas linked to the research programmes of the Institute which are under the direction of DIT academic staff and also lead towards postgraduate awards where considered appropriate.

As these activities developed and became more structured, a number of them have been formally established as **DIT Research Centres**. This process was greatly facilitated and encouraged as the Dublin Institute of Technology Act was implemented. This Act provided a definite framework and statutory basis for the Institute to become involved in such research, development and consultancy activities. DIT Research Centres have developed rapidly over the past few years since the new legislation became effective. Six of the Centres have financial support from the state agency, FORBAIRT.

In the following pages there is a brief outline of each of the current DIT Research Centres and/or Special Projects.

DIT Project Development Centre

The Project Development Centre was established by DIT in 1983 and has evolved into a national Centre which provides support to experienced participants to develop their own innovative businesses. The participants enrol on the Enterprise Development Programme of the Institute, funded through the Department of Education and the EU. The programme is not primarily an academic programme but rather focusses mainly on the development of practical entrepreneurial skills. The end results are judged largely on the success of the business established.

Activities

The programme is a one year programme in which the graduate spends the bulk of her/his time researching and developing their business ideas. The graduates are provided with office facilities (desk, telephone, fax, etc.) and access to library facilities for the full year and are encouraged to engage in initial pilot trading of their business.

The Centre brings the graduate through a series of workshops in marketing, finance, business planning, etc., with the aim of helping the graduate to develop the most appropriate business strategy.

The participants are assessed at the end of each three month period on the basis of the development of their business plan. Each graduate is provided with her/his own personal business mentor to meet them regularly to provide guidance. A small maintenance grant is paid to each participant on a weekly basis.

Contact person

Ms Margaret Whelan, DIT Project Development Centre, 17 Herbert Street, Dublin 2, Ireland.
 Telephone no. 353 - 1 - 661 - 1910
 Fax no. 353 - 1 - 661 - 1973

National Avionics Ltd.

This Centre was established in 1991 to pursue research and development programme in avionics and associated areas. Currently the Centre has a staff of 30. Four postgraduate students are presently pursuing research work in the Centre leading to Master's degrees. It was incorporated as a limited liability company, wholly owned by the DIT, in March 1995. It is supported by FORBAIRT and is a full member of the EUROSKY consortium of the EU.

Activities

National Avionics Ltd is a commercial research and development company, supported by FORBAIRT, specialising in the following areas:

- (i) development of communications appliances for the air traffic management airports, space and avionics sectors
- (ii) working in conjunction with a leading US avionics manufacturer to develop new positioning systems for aircraft
- (iii) working in partnership with Eurocontrol (the European Air Traffic Control Organisation) to develop a more advanced air traffic management system

Contact person

Mr. John Dalton, National Avionics Ltd., 14 Upper Mount Street, Dublin 2, Ireland.
 Telephone no. 353 - 1 - 676 - 7289
 Fax no. 353 - 1 - 676 - 7278



DIT Food Product Development Centre

The Food Product Development Centre was set up in 1992 with the support of the European Regional Development Fund. The Centre focuses on the development of novel products and new ideas for food companies, particularly those expanding their value-added range. The Centre is supported by FORBAIRT and is staffed by a full-time commercial manager, three food technologists and one administrator. The staff members of DIT act as consultants to the Centre in providing expert advice and skills.

Activities

The clients of the Centre include small, medium and large companies. The services offered, include sensory analysis, recipe, concept and product development, auditing and product evaluation. The Centre has over 80 clients and repeat contracts account for 38% of its business. Products developed to date include the 1995 winner of 'Best New Food Product', frozen mussel products under the brand Irish Delicatessen for the French and German markets. The unique aspect of the service at the Food Product Development Centre is the combination of creative cooking skills and scientific expertise.

Special facilities

The Centre has established a fully equipped development kitchen and commercial offices which provide an environment in which clients can discuss their requirements in confidence and also assess products.

Contact person

Ms Carmel Murphy, DIT Food Product Development Centre, DIT Cathal Brugha Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 874 - 6058
Fax no. 353 - 1 - 874 - 8572

DIT Industrial Control Centre

The Industrial Control Centre undertakes projects, prototyping, research, development and training in industrial automation, related software and electronics. It is supported by FORBAIRT.

Activities

Expertise is available in the following areas:

- (i) process control
- (ii) instrumentation
- (iii) distributed control systems
- (iv) real-time control
- (v) plant monitoring
- (vi) PLC applications
- (vii) CAD/CAM
- (viii) PC based systems
- (ix) microprocessor solutions
- (x) STE and VME bus systems
- (xi) digital signal processing

Contact person

Mr. Sean McEntee, DIT Industrial Control Centre, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4556
Fax no. 353 - 1 - 402 - 4996



DIT National Maintenance Centre

The National Maintenance Centre has been established in the Dublin Institute of Technology and supported by FORBAIRT, to contribute to research and development and quality assurance in maintenance.

Activities

The Centre's activities are focused on meeting the needs of the industrial, manufacturing and services sectors in the following areas:

- (i) quality driven maintenance management plans and systems
- (ii) strategies to eliminate failure and losses
- (iii) strategy advice/consultancy on systems of maintenance organisation
- (iv) development of personnel training needs in terms of competences
- (v) human resources development strategies and delivery
- (vi) development of client-specific Total Productive Maintenance systems

Special facilities

The DIT National Maintenance Centre has testing and inspection equipment as well as computerised systems appropriate to its R&D and delivery requirements.

External links

The Centre has close links with MEETA (Irish Maintenance Society) located in FORBAIRT, and it works in close association with the professional bodies.

Contact person

Mr. Matthew Russell, DIT National Maintenance Centre, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3634

Fax no. 353 - 1 - 402 - 3999

DIT Timber Development Centre

The Timber Development Centre was established by DIT with the support of FORBAIRT, to contribute to research and development for the growing Irish timber and wood industry.

Activities

The main research areas of the Centre include:

- (i) curved glulam beams
- (ii) metal connections for structural glulam components
- (iii) timber in energy efficient (green) buildings
- (iv) laminated veneer lumber in timber frame construction
- (v) electronic sensing and control systems for timber movement and structural stability in service
- (vi) product and component development using oriented strand board

Special facilities

The Centre itself houses major fabrication and test rigs as well as computerised monitoring and sensing equipment. The overall facility available to the Centre, also includes the wood working equipment and testing equipment in DIT Bolton Street.

External links

The Centre has close links with the Forest Products Department of FORBAIRT, with Coillte Teoranta, with sawmilling and timber engineering companies, and with professional bodies associated with the construction industry.

Contact person

Dr. Pat McCormack, Industrial Liaison Officer,

DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3616

Fax no. 353 - 1 - 402 - 3999



DIT Visual Computing Centre

This Centre is based on a strategic relationship between Silicon Studio Ireland, a wholly owned subsidiary of Silicon Graphics in the USA and the Dublin Institute of Technology. It is supported by FORBAIRT.

Activities

The centre is aimed at supporting indigenous Irish companies in their work for various sectors of the entertainment industry, allowing them access to DIT equipment, expertise and facilities. This should help these companies to better compete in the new global digital media market place.

Contact person

Mr. Charles Pritchard, DIT Visual Computing Centre, DIT Aungier Street Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3026

Fax no. 353 - 1 - 402 - 3003

DIT Applied Optoelectronics and Optical Communications Centre

The Centre was founded in 1993 to pursue research and development activity in the area of optical communications systems and optoelectronics and it provides a range of services to Irish industry in these areas.

Activities

Contract Research and Development is provided by the Centre to companies at all stages of product development from initial research to the production of completed prototypes. The Centre can draw on a wide range of skills and expertise in both the optical and electronics areas in the Institute.

Technical Consultancy is provided to organisations involved in the sale of optoelectronics or optical communications products and systems, to enable them to become more involved in optical product lines.

Industrial Training in optoelectronics and optical fibre communications systems is provided to organisations involved in optoelectronics and optical fibre-based systems, with the emphasis on certified training that meets the requirements of ISO 9001.

Contact person

Dr. Gerald Farrell, DIT Applied Optoelectronics and Optical Communications Centre, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 478 - 3631

Fax no. 353 - 1 - 475 - 6669



DIT Radiation Science Centre

The Centre was established in 1992 and was structured more formally in 1995 to develop a number of research and development projects, and courses in the radiation science area.

Activities

Research activities include the following:

- (i) studies of radiation-induced cancer and genetic instability
- (ii) design of tests for optimising radio-chemotherapy schedules
- (iii) radiation and chemical carcinogen effects on environmentally important species including certain indicator fish and amphibia
- (iv) studies of non-ionising radiation effects and mechanisms

Special facilities

The Centre has advanced equipment for tissue culture and assay of radiation effects in situ.

External links

The Centre has three EU contracts with partners in 14 other European laboratories. It is also involved in two other concerted actions in the biomedical and biotechnology programmes. Within Ireland the Centre is involved in collaborative research with several Dublin surgeons and has projects funded by Forbairt, HRB and Irish Cancer Society, with Trinity College staff.

Contact person

Dr. Carmel Mothersill, DIT Radiation Science Centre, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 402 - 4558

Fax no. 353 - 1 - 402 - 3999

DIT Tourism Research Centre

The DIT Tourism Research Centre is designed to serve the needs of the Irish tourism industry through the provision of a range of expert services by DIT's highly skilled multidisciplinary staff. The Centre also assists the tourism industry in developing new, improved and more sophisticated tourism products through the application of DIT's technical and scientific resources.

Activities

Research and development is carried out on new products, services, marketing and training to enable the Centre's clients gain competitive advantage by the promotion of good practice in the development of customized, environment-friendly tourism products and services.

Contact person

Ms Susan Turley, Tourism Research Centre, DIT Cathal Brugha Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 874 - 6058

Fax no. 353 - 1 - 874 - 8572



DIT Consultancy and Research Unit for the Built Environment

This Unit was established in 1991 and its strategy is to build on the Institute's established track record of education and training for the built environment professionals (architects, surveyors, engineers, etc.) and on its growing research profile in this sector of the economy, which represents up to 15% of GNP.

Activities

The Unit provides research, consultancy and training services to the construction and property industries in the following areas;

- (i) property: feasibility studies, data bases, investment appraisal, urban renewal
- (ii) construction: productivity studies, project management, cost control, evaluation
- (iii) computer services: specialised hardware and software services, CAD support, environmental modelling
- (iv) energy: alternative systems, audits, combined heat and power, modelling
- (v) design: urban design and town studies, design innovation.

Currently the Unit is engaged in the preparation of a data base for a major property owner and has also been commissioned to review the 1982 Policy Directive on Large Scale Shopping.

Special facilities

The Unit is developing a hardware and software base with a view to offering special services to built environment professionals in the areas of graphics, modelling and energy.

Contact person

Mr. Gerald Walker, DIT Consultancy and Research Unit for the Built Environment, DIT Bolton Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 3652
Fax no. 353 - 1 - 402 - 3999

DIT Community Development Through the Medium of Art Project

This is a EU-funded project for women and is focussed on Dublin's North inner city, where a number of local women have previously participated in a pioneering access course for women offered by DIT Mountjoy Square. The project is a uniquely interdisciplinary one combining community/local development studies, women's studies and art. Emphasis is placed on the applicability of knowledge and theory rather than on its acquisition. While a range of theoretical perspectives are offered in presenting key issues relating to power and marginalisation, participants also explore and challenge these concepts practically, in a non-competitive structure, using a variety of art media.

Activities

The research and development activities centre on designing, reviewing and evaluating course content, delivery and assessment methods. At the end a comprehensive course manual will be produced.

External links

The project is part of a European partnership and having a cadre of visiting national and European artists and lecturers.

Contact person

Ms Bernie Casey, DIT Mountjoy Square, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4222
Fax no. 353 - 1 - 402 - 4299

DIT/NOW Childcare Training Initiative

This is a EU-funded project aimed at improving access to a national standard of training and quality employment for people working in the childcare sector. It is currently in the development phase and employs two people - a project manager and a project researcher. When the project is fully operational, it is expected that it will employ four full-time staff and a number of part-time staff.

The project is concerned with the development of a system of accreditation of prior experience, achievement and learning (APEAL) and will provide post-qualification training in this, and associated, areas.

Activities

There is a wide range of activities associated with the project, which centre around developing a coherent national system of improving access to training in childcare. While developing APEAL, the project will train assessors and pilot the system. In addition it is intended to train advisors for regional work, thereby extending the scope of APEAL.

External links

There is a trans-national element in this project, which involves collaboration with other training colleges in the UK and Belgium and, indirectly, with France and Corsica.

Contact person

Ms Clare Healy, School of Home and Social Sciences, DIT Rathmines, Dublin 6, Ireland.
Telephone no. 353 - 1 - 402 - 3464
Fax no. 353 - 1 - 402 - 3499

DIT Innovation and Re-Engineering in Furniture SME's Project

This project is supported under the EU ADAPT Operational Programme 'Adaptation of the Workforce to Industrial Change' and aims to assist Irish furniture companies to exploit their potential by providing a training framework that will assist them in recognising and dealing with change issues affecting the furniture industry.

Activities

The project aims to develop an integrated approach in dealing with all the areas of influence on the furniture industry, as a strategic and primary means of addressing change issues.

External links

The project has involved DIT in establishing strategic links with a number of regional, national and international organisations in the UK and Finland, and interests in the furniture industry. These links form the consultative base for the initial development of the training programme and will help guide it during the pilot delivery stage.

Contact person

Mr. Robert Tully, DIT Mountjoy Square, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4250
Fax no. 353 - 1 - 402 - 4292

DIT Schools/Departments

Under the provisions of the Dublin Institute of Technology Act (1992) the Institute is being re-organised from its current structure to a new Faculty-based one. The present structure has evolved over a number of years as new courses were added and it was influenced strongly by the available space and facilities on existing sites. The new structure will integrate groups of related disciplines together into Faculties.

The Schools and Departments are broadly grouped in the order they are likely to be associated in the proposed new DIT Faculties.

Currently there are plans to have six Faculties dealing with the following broad areas:

Arts and Culture:

Arts, Communications,
Social Studies

The Built Environment:

Architecture,
Construction, Surveying

Business:

Business, Marketing,
Management

Engineering:

Building Services,
Electrical, Electronic,
Manufacturing,
Mechanical, Structural

Science:

Biology, Chemistry,
Mathematics and
Informatics, Physics

Tourism and Food:

Hotel, Catering,
Tourism

In the pages that follow there are brief outlines of the academic activities in the Schools and Departments throughout the Institute. These outlines are intended to facilitate a prospective postgraduate student in deciding which School(s)/Department(s) offer the most suitable academic environment for her/his postgraduate studies.

Art and Design

The School of Art and Design in DIT Mountjoy Square, encompasses creative disciplines in Fine Art and Design and offers many options at degree, diploma and certificate levels

Undergraduate full-time courses

- DT 511 Advanced Diploma in Design (Environmental/Spatial Design)
- DT 512 Advanced Diploma in Design (Visual Communication Design)
- DT 518 Advanced Diploma in Fine Art
Each four years
- DT 515 Certificate in Design (Display)
- DT 516 Certificate in Design (Presentation)
- DT 517 Certificate in Design (Visual Media)
Each two years

Undergraduate part-time courses

- M 550 Certificate in Design (Interior)
Three years
- M 551 Course in Design (Furniture Restoration)
Three years
- M 552 Computer Aided Design
Two years, entry to graduates in appropriate discipline or equivalent

Short courses

photography and advertising graphics, understanding modern art, environmental art, A-Z of art and architecture in Ireland, international survey of contemporary art practices, women in art history, history of applied art and design 1860-1970, sacred art, Russian and Eastern European art, life drawing and painting

Research/consultancy groups

The research interests of the School are in the following areas:

- (i) chemical patination on copper and steel plates
- (ii) ball gained and textured acetate development
- (iii) advanced collographic techniques for innovative printmaking
- (iv) comparison of high-end repro house services with middle and lower range bureau services to the design industry in pre-print applications
- (v) development of design research unit
- (vi) modular interactive design/analysis storage system
- (vii) use of photo CD in pre-print applications
- (viii) evaluation of water-based environment-friendly inks, photo emulsions, resists and chemicals for printing applications
- (ix) viability of exterior grade fibreboard for outdoor furniture
- (x) development of self pressurised, lightweight seating components for office chairs using blow-moulding technology.

The ADAPT project, **Innovation and Re-Engineering in Furniture SME's** is based in the School.

Contact person

Mr. John E. Creagh, School of Art and Design, DIT Mountjoy Square, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 4139

Fax no. 353 - 1 - 402 - 4297



Languages and Industrial Studies

The Department of Languages and Industrial Studies in DIT Kevin Street, provides a major service function, enabling all full-time students to study a foreign language and also business or management studies. Electrical apprentices are also provided with classes in communications and business studies. In addition to the service activity, the Department is responsible for a three year full-time Diploma in Languages and Business programme which involves six months abroad on work experience and/or college placement.

Undergraduate full-time courses

- DT 255 Diploma in Languages (French) and Business
- DT 256 Diploma in Languages (German) and Business
- DT 257 Diploma in Languages (Spanish) and Business
- Each three years

Undergraduate part-time courses

- K 251 Modern Languages for Specialist Purposes
One year, training for scientists, engineers or business people
- K 252 Modern Languages for Vocational/Specialist Purposes
One year, stress on oral proficiency, lead to external examinations of Chamber of Commerce, Institute of Linguists or Royal Society of Arts

Postgraduate and post-third level courses

- K 253 Diploma in Translation (of Institute of Linguists Education Trust)
One year, part-time, leads to external examinations, for graduates in a language or equivalent

- K 254 Postgraduate Diploma in Applied Linguistics
One year, part-time, for language graduates with two years' teaching experience or equivalent

Research/consultancy groups

Staff research is currently on-going in the following areas:

- (i) language for specialist purposes
- (ii) terminology
- (iii) translation theory
- (iv) market research
- (v) history of technology
- (vi) Irish culture
- (vii) multi-media course materials
- (viii) foreign language course materials

Special facilities

A modern audio language laboratory and a satellite TV receiver are amongst the facilities available to the Department.

Contact person

Mr. Dermot Campbell, Department of Languages and Industrial Studies, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4610
Fax no. 353 - 1 - 402 - 4999



Music and Drama

A wide range of music, speech and drama programmes is offered in DIT Adelaide Road and Chatham Street, with an emphasis on performance. Students are afforded every opportunity to gain performance experience with college ensembles such as the Choral Society, Senior Orchestra, Concert Band and Chamber Choir giving regular public concerts. Opera and drama productions and recitals are also regularly staged.

Undergraduate full-time courses

- FT 601 Graduate Diploma in Music Performance
Four years, attracts the BMus (Performance) of University of Dublin
- TR 009 Degree in Music Education
Four years, taught conjointly at DIT Adelaide Road, at Royal Irish Academy of Music and at Trinity College, Dublin, attracts award of BMusEd of University of Dublin
- DT 602 Diploma in Music Teaching (Instrumental/Vocal)
Three years
- DT 603 Diploma in Speech and Drama Studies
Three years

Research/consultancy groups

Research areas include the following:

- (i) composition
- (ii) musicology
- (iii) music and drama education
- (iv) music therapy
- (v) performance studies

Contact person

Dr. Eibhlís Farrell, School of Music and Drama, DIT Adelaide Road, Dublin 2, Ireland.

Telephone no. 353 - 1 - 677 - 8820

Fax no. 353 - 1 - 478 - 4738



Printing

The Department of Printing in DIT Bolton Street, is the national centre for the education and training of personnel for the printing and graphic communications industries

Undergraduate full-time course

- DT 130 Technician Certificate in Printing
Two years
- DT 130 Diploma in Printing Management
One year, entry open to
Distinction and Merit graduates
of the above course, or equivalent

Apprentice courses

Block release courses in crafts of Originator,
Printer and Bookbinder

Post-third level course

- DT 131 Diploma in Graphic
Reproduction Technology
One year, entry open to
Distinction and Merit graduates
of a Certificate course in a Design
discipline

Research/consultancy groups

The Department has international research programmes with partners in Portugal, Belgium and UK in the following areas:

- (i) pre-press technologies
- (ii) alcohol dampening conversion systems.

Contact person

Mr. Brian Kennedy, Department of Printing,
DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1- 402 - 3701

Fax no. 353 - 1- 402 - 3999

Home and Social Sciences

The School of Home and Social Sciences of DIT Cathal Brugha Street and Rathmines, presents a range of courses in areas of social care, childhood development and other areas of social studies. The School also carries out research in an extensive range of topics related to these areas.

Undergraduate full-time courses

- DT 469 Certificate in Early Childhood Care and Education
Two years
- DT 470 Certificate in Applied Social Studies (Social Care)
Two years
- DT 471 Diploma in Applied Social Studies (Social Care)
One year, open to graduates of above course at Distinction or Merit grade, or equivalent
- DT 461 Diploma in Social Care
Three years, in-service

Undergraduate part-time courses

- C 468 Diploma in Early Childhood Care and Education
Two years, in service, open to those with Distinction or Merit in Certificate in Childhood Care and Education, or equivalent
- C 467 Teachers' Certificate in Third Level Education
1.5 years, open to third-level and continuing education teachers, preparation for City and Guilds of London Institute examinations
- C 472 Modular Mode Certificate in Applied Social Studies
Part-time modular version of course DT 470
- C 462 Creative Drama (Social Care)
One year, aimed at social care workers and youth/community workers

Research/consultancy groups

The School has a wide range of research activities including the following:

- (i) quality in early childhood services
- (ii) early education and educational failure
- (iii) changing families - impact on children
- (iv) children's rights and child victimisation
- (v) traveller marginalisation
- (vi) training in childcare
- (vii) cross-cultural child-rearing
- (viii) juvenile prostitution
- (ix) staff role in residential care
- (x) therapeutic interventions

The School runs the special project **DIT/NOW Childcare Training Initiative**.

Contact person

Ms Nóirín Hayes, School of Home and Social Sciences, DIT Rathmines, Dublin 6, Ireland.
Telephone no. 353 - 1- 402 - 3455
Fax no. 353 - 1- 402 - 3499



Architecture and Town Planning

The Department of Architecture and Town planning in DIT Bolton Street, offers full-time courses in Architecture and Architectural Technology. The Department caters for 425 full-time undergraduate students and a small number of postgraduate students.

Contact person

Mr. James Horan, Department of Architecture and Town Planning, DIT Bolton Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 3690
Fax no. 353 - 1 - 402 - 3999

Undergraduate full-time courses

- FT 101** Diploma in Architecture
 Five years, attracts award of BSc (Arch) of University of Dublin, leads to professional membership of Royal Institute of Architects of Ireland, named in the EU Directive on the Education and Training of Architects 385/85 EEC.
- DT 102** Architectural Technician Diploma
 Three years, recognised for Technician Membership by the Incorporated Association of Architects of Ireland

Research/consultancy groups

Research is carried out by the Department in the following areas:

- (i) geometry and structure in architecture
- (ii) paradigms for urban development
- (iii) architectural practice - professional development
- (iv) design and technical detailing
- (v) brick restoration and conservation
- (vi) tilt-up building technology
- (vii) glue-laminated timber technology
- (viii) energy conservation in building systems
- (ix) renewable energy in high-demand buildings
- (x) computer-aided design development.

Work on the preparation of urban design proposals is executed each year in consultation with the local authorities and urban councils of different regions and cities throughout Ireland. These studies are frequently used to initiate local developments and new urban design schemes.

Construction Trades

The School of Construction Trades is based in the Linenhall complex of DIT Bolton Street. Formal staff/industry liaison is achieved through an Advisory Committee comprised of senior staff, employers and trade union officials. The total number of students includes 1,800 apprentices, 70 full-time and 90 part-time technician students and service teaching is also supplied to Degree/Diploma/Certificate students of architecture, engineering and surveying.

Undergraduate full-time courses

DT 171	Building Maintenance Technician Certificate
	Two years

Undergraduate part-time and apprentice courses

B 118	Timber Technology
	One year, preparation for Institute of Wood Science senior certificate examinations
B 119	Building Technology
	Three years, preparation for technological examinations of Department of Education
B 120	Craft Technician Certificate in Building
B 132	Craft Technician Certificate in Plumbing

Wide range of apprenticeship courses preparing for the Junior and Senior trade certificates of the Department of Education, the National Craft Certificate and also City and Guilds of London Institute examinations where appropriate, in

Welding	Plumbing/Heating
Cabinetmaking and Joinery	Sheetmetal Carpentry
Metal Fabrication	Bricklaying
Plastering	Wood Machining
Painting and Decorating	Foundry Moulding
	Refrigeration & Air Conditioning

There is close co-operation with FÁS in this area.

Short courses

The School organises other evening courses to meet specific needs of industry in the following areas, welding, art metal casting, sheetmetal work, metal fabrication, plumbing, tendering and estimating (mechanical services), heating and plumbing, domestic heating, signwriting, timber technology, construction technology, wood turning and building maintenance

Research/consultancy groups

The DIT Timber Technology Centre has been established within the School to act as a focus for activities in the broad area of Timber Technology including

- (i) research and development in structural glulam, microlam, etc.
- (ii) laboratory and resource centre facilities

Under the EU COMETT Programme, EUROFORTECH, a University Enterprise Training Partnership was established involving technology transfer, student and staff placement, etc.. This has led to the development of a modular course in building maintenance.

Contact person

Mr. Joe Bernie, School of Construction Trades, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 4013

Fax no. 353 - 1 - 402 - 3999



Surveying and Building Technology

The Department of Surveying and Building Technology in DIT Bolton Street, provides education for professional and management careers in the property and construction industries.

Undergraduate full-time courses

- FT 110 Diploma in Property Economics
 FT 111 Diploma in Construction Economics
 Each four years, attracts BSc (Surv) of University of Dublin with honours classification
 DT 114 Certificate in Construction Technology
 Two years plus one year
 DT 115 Certificate/Diploma in Geo Surveying
 Two years plus one year
 DT 116 Certificate/Diploma in Auctioneering Valuations and Estate Agency
 Two years plus one year

Undergraduate part-time courses

- B 702 Diploma in Construction Technology
 Four years
 B 704 Diploma in Construction Economics
 Six years, attracts BSc (Surv) of University of Dublin with honours classification

Postgraduate and post-third level courses

- B 705 Graduate Diploma in Arbitration Law.
 One year, part-time, open to relevant professionals
 B 706 Graduate Diploma in International Arbitration Law
 One year, part-time, open to graduates of above course, or equivalent

- B 707 Graduate Diploma in Land Use Economics
 Two years, part-time, open to graduates with work experience in built environment field
 FT 118 Graduate Diploma in Environmental Management, Development and Control.
 One year, full-time, ATS-funded, open to honours graduates of a range of disciplines
 FT 119 Graduate Diploma in Regional and Local Development
 One year, full-time, ATS-funded, open to honours graduates from range of disciplines

Research/consultancy groups

Research topics include the following:

- (i) property taxation
- (ii) property valuation
- (iii) facilities management
- (iv) development appraisal
- (v) organisation and economics of the Construction Industry
- (vi) GIS
- (vii) digital mapping
- (viii) archaeoastronomy.

Research and consultancy activities may be undertaken under the auspices of the **DIT Consultancy and Research Unit of the Built Environment.**

Contact person

Mr. Tom Dunne, Department of Surveying and Building Technology, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3669

Fax no. 353 - 1 - 402 - 3999

Accountancy and Business Studies

There are three Departments in the School of Accountancy and Business Studies in DIT Aungier Street: Business Studies, Accountancy, and Management Information Systems. Courses are offered in all of these disciplines as well as in Law, Law of the European Union and Commercial Computing.

Undergraduate full-time courses

- FT 351 Diploma in Advanced Business Studies
Four years, attracts BSc (Management) of University of Dublin
- DT 311 Professional Accountancy - Financial
Two years, for external examination of Chartered Association of Certified Accountants
- DT 312 Professional Accountancy - Management
Three years, for external examinations of Chartered Institute of Management Accountants
- DT 315 Certificate in Business Studies
Two years
- DT 317 Advanced Diploma in Business Information Systems Development and Management
Four years

Undergraduate part-time courses

- A 331 Diploma in Management Law
Four years, aimed at mature students, attracts BSc (Management) of University of Dublin
- A 332 Diploma in Legal Studies
Two years
- A 333 Certificate in Law of the European Union
One year

Postgraduate and post-third level courses

- DT 313 Institute of Chartered Accountants in Ireland
One year, full-time, for external examination of Institute of Chartered Accountants in Ireland
- A 334 Diploma in Criminology
Two years, part-time, open to graduates at degree level or equivalent

Research/consultancy groups

The research areas in the School include the following:

- (i) publication of **Advances in Business Studies**
- (ii) economics
- (iii) business and finance
- (iv) management
- (v) law
- (vi) information technology

Special links

Links exist with other European institutions through various EU programmes, ERASMUS, LINGUA and TACIS, and with the University of Dar Es Salaam and Evelyn Hone College, Zambia, through HEDCO.

Contact person

Dr. Ellen Hazelkorn, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3217

Fax no. 353 - 1 - 402 - 3003



Business and Management

The School of Business and Management in DIT Mountjoy Square, has a particular focus on teaching and research in marketing over the full spectrum of marketing interests. The School has some 1,000 undergraduate students, 600 part-time students following professional courses and 70 postgraduate students, including 15 students pursuing Master's degrees by research.

Undergraduate full-time courses

- FT 541 Advanced Diploma in Marketing
Four years, attracts BSc (Management) degree of University of Dublin
- DT 508 Advanced Diploma in Administration and Marketing
Four years
- DT 503 Certificate/Diploma in Marketing
Two years plus one year

Undergraduate part-time courses

- M 575 Graduateship of the Marketing Institute of Ireland
Four years, aimed at those working in business, certification from Marketing Institute of Ireland
- M 576 National Diploma in Business Studies in Management
Two years, certification by Irish Management Institute
- M 577 Post-Graduate Diploma in Marketing
Two years, certification by Marketing Institute of Ireland
- M 578 Certificate in Data Processing for Computer Users
- M 579 Basic Certificate in Computer Programming
Each one year, preparation for City and Guilds of London Institute examinations

Short courses

selling skills, marketing - an introduction, enterprise - start your own business, time management, negotiating skills, customer care services, advertising in practice, legal aspects of marketing, financial aspects of marketing, presentation skills, export marketing, mind your business, marketing of services

Postgraduate and post-third level courses

- FT 548 Graduate Diploma in Business to Business Marketing
One year, full-time, ATS-funded, for non-business graduates, includes placement in industry
- FT 459 Graduate Diploma in International Marketing/Languages
One year, full-time, ATS-funded, for language graduates, includes placement in industry

Research/consultancy groups

Research areas being pursued in the School include the following:

- (i) international, strategic, retail, food, relationship marketing
- (ii) financial services marketing
- (iii) entrepreneurial studies
- (iv) multi-media
- (v) computer software
- (vi) advertising research
- (vii) small to medium-sized enterprises
- (viii) consumer behaviour

Contact person

Ms Kate Uí Ghallachóir, School of Business and Management, DIT Mountjoy Square, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 4135

Fax no. 353 - 1 - 402 - 4298

Distribution

The origins of the School of Distribution in DIT Mountjoy Square go back to 1949. The School is the only national resource dedicated to the retailing and services sector in this country. Its ethos is centred on applied services marketing.

Undergraduate full-time courses

- DT 521 Certificate in Business Studies (Management)
- DT 522 Certificate in Business Studies (Retail Marketing)
- DT 523 Certificate in Business Studies (Proprietorship)
- DT 525 Certificate in Business Studies (Security)
- DT 541 Certificate in Business Studies (Bar Management)
Each two years
- DT 524 Diploma in Business Management (Options, Retailing and Security)
One year, open to Distinction and Merit graduates of relevant certificate course above, or equivalent
- DT 531 Certificate in Business Studies (Meat Marketing)
- DT 532 Certificate in Retailing (Supermarket)
- DT 533 Certificate in Retailing (Clothing)
Each one year

Undergraduate part-time courses

- M 565 Retail and Wholesale Management
Two years
- M 566 Security Management
One year, certificate of International Institute of Security and City and Guilds of London Institute
- M 567 Advanced Security Management
One year, certificate of International Institute of Security and City and Guilds of London Institute

- M 568 Retail Meat Management
Two years, certificate of Irish Master Butchers' Federation
- M 569 Bar Management
Two years, bar management diploma of Licensed Vintners' Association
- M 570 Florist Management
Two years
- M 571 Retail Foodstore Management
Two years

Short courses and apprentice courses

- Wine course
- Apprentice courses in Meat, Bartending

Special links

Working links have been established with Manchester Metropolitan University and the Norwegian School of Trade and Retail Management

Contact person

Mr. Michael Quinn, School of Distribution,
DIT Mountjoy Square, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4144
Fax no. 353 - 1 - 402 - 4296
Email MAQUINN@COMAD.DIT.IE



Management Studies

The School of Management Studies in DIT Aungier Street, has two Departments: the Short Course Centre and the Department of Continuing Education; and two specialist units, the Distance Learning Unit and the Digital Media Centre.

Undergraduate part-time courses

- A 335 Diploma in Management Services
Four years, attracts BSc (Mgmt) of University of Dublin
- A 340 Certificate/Diploma in Health Services Management
Two years + one, entry to those employed in health service
- A 330 Diploma in Credit Management
Three years, entry to those with two years experience in suitable employment

Short courses

These cover a wide range of management activities in health services, human resources, systems and operations management.

Postgraduate and post-third-level courses

- FT 361 European MA in Interactive Multimedia
48 weeks, full-time, ATS-funded, open to degree holders, or equivalent, in diverse disciplines, offered at 5 other locations in France, Holland, Spain and UK, attracts degree of Royal College of Art (UK)

Research/consultancy groups

The research activities in the School are the following

- (i) preparation of distance learning material for maintenance personnel
- (ii) development of a visual computing centre
- (iii) multi-media production for Irish Museum of Modern Art

The Research Centre, **DIT Visual Computing Centre** is based in this School.

Special links

The Distance Learning Centre offers programmes for Irish industry, the Department of Education and the semi-state sector. There are international links with Elkapa (Greece), Kajaani Poly (Finland), and Finnish Association of Graduate Engineers.

Contact person

Mr. Robert Burns, School of Management Studies, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3030

Fax no. 353 - 1 - 402 - 3074

Professional and Social Studies

The School of Professional and Social Studies in DIT Aungier Street, has three departments which are Administration and Social Studies, Communications and Media, and Professional Studies. It encompasses a wide range of interests including communications, journalism, broadcasting, film, advertising, public relations, criminology, human resource management (personnel management, training and development), transport management, European languages, Irish. The School contributes to undergraduate teaching in communications and psychology on courses based in DIT Kevin Street and to the European MA in Interactive MultiMedia course.

Undergraduate full-time courses

- FT 352 Advanced Diploma in Communications (Film and Broadcasting)
- FT 353 Advanced Diploma in Communications (Journalism)
Each four years, with Diploma available after three years, attracts BSc (Communications) of University of Dublin
- DT 306 Certificate in Transport Management
Two years

Undergraduate part-time courses

- A 329 Diploma in Advertising of Joint Advertising Education Committee
One year, entry to those with at least one year's relevant work experience
- A 338 Diploma in Personnel Management
Four years, entry to appropriate certificate graduates or equivalent
- A 336 Diploma in Business Studies (Training and Development)
Four years, entry to those with two years of managerial experience or equivalent

Postgraduate and post-third-level courses

- DT 305 Diploma in Public Relations
One year, full-time, entry open to appropriate third level graduates
- DT 318 Diploma in Advertising
One year, full-time, entry open to appropriate third level graduates
- DT 319 Graduate Diploma in Journalism
One year, full-time, entry open to graduates with degree or equivalent
- DT 320 Graduate Diploma in Film Production
One year, full-time, entry open to graduates with degree or equivalent

Research/consultancy groups

The Department of Communications publishes the **Irish Communications Review**.

Special facilities

The facilities of the School include state-of-the-art film and broadcasting studios and computerised newsrooms.

Contact person

Mr. Frank Lane, School of Professional and Social Studies, DIT Aungier Street, Dublin 2, Ireland.

Telephone no. 353 - 1 - 402 - 3034

Fax no. 353 - 1 - 402 - 3003



Electrical Engineering

The Department of Electrical Engineering in DIT Kevin Street, has been involved in the provision of full-time and part-time courses for over fifty years and is now an established national centre of excellence in the areas of control systems and electrical power engineering.

Undergraduate full-time courses

- FT 221 Honours Diploma in Electrical/Electronic Engineering (with three options, Electrical Power, Control Systems, Communications Systems)
Four years, run jointly with the Department of Electronic and Communications Engineering, attracts BSc(Eng) degree of University of Dublin with honours classification
- DT 231 Technician Engineering Diploma in Electrical Engineering
Three years

Undergraduate part-time courses

- K 232 Course for the Engineering Council Part I Examination
Two years
- K 232 Course for the Engineering Council Part II Examination
Three years, open to those who have passed Part I above
- K 233 Electrical Technicians' Course
Four years, prepares students for City and Guilds of London Institute examinations

Research/consultancy groups

The main research groups in the Department relate to:

- (i) machine vision to track eye movement
- (ii) design of a magnetic stimulation diagnostic machine
- (iii) prototyping an advanced instrument workstation for intensive care unit

- (iv) real-time voice transmission over ethernet LAN
- (v) fuzzy logic control of environment in miniature cropping house and mushroom growing tunnels
- (vi) control systems for permanent magnet variable flux sources with high torque
- (vii) closed loop identification and tuning of process control systems

The DIT Industrial Control Centre operates as a Research Centre within this Department.

Contact person

Dr. Jonathan Fisher, Department of Electrical Engineering, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1- 402 - 4551

Fax no. 353 - 1- 402 - 4999

Electrical Installation

The Department of Electrical Installation in DIT Kevin Street, caters mainly for skilled personnel already employed within the electrical industry. It also caters for evening students and for a small number of full-time students who are released on a part-time day or block release basis to attend courses. The Department also provides services to Certificate and Diploma courses in DIT Kevin Street and DIT Bolton Street.

Undergraduate full-time courses

DT 244 Certificate in Electrical and Electronic Drafting
One year

Undergraduate part-time and apprentice courses

Courses for electrical apprentices released by industry, either on a block release or part-time day basis, leading to the Junior and Senior trade certificate examinations for the Department of Education and to the award of the National Craft Certificate. They may also take City and Guilds examinations in electrical installation work and in electrical and electronic engineering competences

Short courses

Specialised short courses/seminars and evening courses are provided for personnel from the electrical industry relating to electrical safety, inspecting and testing electrical installations, ETCI rules and programmable logic controllers.

Research/consultancy groups

Research activities by staff include:

- (i) development of software for accessing the ETCI rules on PC's
- (ii) lighting design principles and practice

Contact person

Mr. Jack O'Donnell, Department of Electrical Installation, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 402 - 4616

Fax no. 353 - 1 - 402 - 4999



Engineering Technology

The Department of Engineering Technology in DIT Bolton Street is concerned with the education of engineering technologists and technicians in the areas of mechanical, manufacturing, civil/structural and building services engineering.

Undergraduate full-time courses

- FT 125 Diploma in Engineering (with four options, Building Services, Mechanical, Manufacturing, Structural)
Four years, attracts BSc(Eng) degree with honours classification of University of Dublin
- DT 120 Preliminary Engineering course
One year, prepares students for entry to first year of FT 125
- DT 126 Civil Engineering Technician Certificate/Diploma
- DT 127 Building Services Engineering Technician Certificate/Diploma
- DT 128 Mechanical Engineering Technician Certificate/Diploma
All two/three years

Undergraduate part-time and apprentice courses

- B 740 Foundation Course for Diploma in Engineering
One year, open to graduates of a Technician Diploma at Merit or Pass grade, aimed at entry to B 742
- B 742 Diploma in Engineering (with four options, Building Services, Mechanical, Manufacturing, Structural)
Three years, open to graduates of an appropriate Technician Diploma at Distinction grade
- B 741 Professional Engineering Bodies' Course
Part-time, for Part II examinations
- B 743 Civil Engineering Technician Certificate/Diploma
- B 744 Building Services Engineering Technician Certificate/Diploma

- B 745 Mechanical Engineering Technician Certificate/Diploma
All four/six years
- B 747 Mechanical Engineering Technician Course
Two/three years, prepares students for City and Guilds of London Institute examinations
- B 748 Certified Manufacturing Technologist
One year, prepares students for Part I examinations of Society of Manufacturing Engineers
- B 757 Industrial Management Certificate/Diploma
Two/three years, prepares students for examinations of Institution of Industrial Managers
- B 758 Refrigeration Engineering Technician
Two years, prepares students for City and Guilds of London Institute examinations
- B 761 Maintenance Technology Certificate
Two/three years, prepares students for National Certificate in Technology examinations

Research/consultancy groups

The main research activities include:

- (i) thermal bridging in construction
- (ii) CAM system for the wood industry
- (iii) management system for construction industry
- (iv) fluidised bed combustion
- (v) energy conservation
- (vii) water quality control

Contact person

Mr. Oliver McNulty, Department of Engineering Technology, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1- 402 - 3637

Fax no. 353 - 1- 402 - 3999

Electronic and Communications Engineering

The Department of Electronic and Communications Engineering in DIT Kevin Street, has been involved in the provision of full-time and part-time technician and professional courses in electronics and communications for over sixty years and is an established centre of excellence in these areas.

Undergraduate full-time courses

- FT 221 Honours Diploma in Electrical/Electronic Engineering (with three options, Electrical Power, Control Systems, Communications Systems) Four years, run jointly with the Department of Electrical Engineering, attracts BSc(Eng) degree of University of Dublin with honours classification
- DT 287 Diploma in Applied Electronics (with two options, Communications Engineering, Electronic Engineering) Three years
- DT 289 Technician Certificate in Electronics Two years

Undergraduate part-time courses

- K 281 Electronic Servicing Three years
- K 282 Electronic Equipment Maintenance Three years
- K 283 Telecommunication Technicians' Course Five years, prepares students for City and Guilds of London Telecommunication Technician Certificate
- K 284 Digital Electronics and Microprocessors Two years

Research/consultancy groups

At the present time there are a total of 20 postgraduate student/research assistant posts in the Department and the main research groups include:

- (i) the **National Avionics Ltd. Research Centre**
- (ii) the **Optical Communications and Optoelectronics Research Centre**
- (iii) mobile and indoor digital radio and adaptive antenna systems
- (iv) technology access for people with physical difficulties (with CRC), funded by EU TIDE programme

Special links

The Department is working with Deutsche Telekom in the development of computer-based training materials for communications systems and is currently associated with that organisation under the European DATIC programme.

The Department is also a member of the EU Alpha network, which is concerned with developing links with institutes in South America.

In addition, close links have been established with the Yunlin Polytechnic Institute in Taiwan and a programme of staff and student exchange is currently in operation with that Institute.

Contact person

Mr. Christopher Cowley, Department of Electronic and Communications Engineering, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1- 402 - 4576

Fax no. 353 - 1- 402 - 4999



Transport Engineering

The Department of Transport Engineering in DIT Bolton Street, has been involved in the provision of full-time and part-time courses in the automotive and aeronautical transport areas for over fifty years.

Undergraduate full-time courses

DT 150 Technician Certificate in Transport Engineering/Diploma in Motor Industry Management
Two years/one year, Diploma course open to graduates of Certificate course with aptitude for management

Undergraduate part-time courses

- B 150 Flight Operation Officer (Dispatcher) Course
B 151 Production Planning (I.A.T.A)
B 152 Aeronautical Maintenance Engineers' Licences
B 163 Private Aircraft Pilot's Licence
Each one year
B 165 Motor Cycle Mechanics
One year, prepares students for City and Guilds of London Institute examinations
B 170 Motor Vehicle Parts Personnel
Two years, prepares students for Parts I and II examinations of City and Guilds of London Institute
B 175 Auto-Engineering Technicians
Two years, prepares students for certificate examinations of Department of Education and City and Guilds of London Institute
B 177 Technological Certificate in Automobile Engineering
Three years, prepares students for Department of Education examinations
B 178 Motor Industry Management Certificate
Three years, prepares students for

Institute of the Motor Industry examinations
B 179 Road Transport Studies
Three years, prepares students for Institute of Road Transport Engineers and Department of the Environment examinations

Apprentice courses

Courses for the following crafts: motor vehicle, mechanics, aeronautical engineering, leading to Department of Education Junior and Senior Craft Certificates and also to the National Craft Certificate.

Research/consultancy groups

Research interests in the Department include the following:

- (i) vehicle emissions
- (ii) automobile electronics
- (iii) vehicle safety

Contact person

Mr. Dominick Tuite, Department of Transport Engineering, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3606

Fax no. 353 - 1 - 402 - 3999

Biological Sciences

The Department of Biological Sciences in DIT Kevin Street, contributes significantly to academic activity within the Institute at both undergraduate and postgraduate level in areas of medical laboratory sciences, human nutrition and dietetics, food science and biology.

Undergraduate full-time courses

- FT 222 Diploma in Applied Sciences
4.5 years, attracts the BSc (Applied Sciences) of University of Dublin with honours classification. It has a common first year and seven final year streams, one of which is, Food Science/Food Technology
- FT 223 Diploma/Degree in Human Nutrition and Dietetics
4.5 years, run jointly with University of Dublin and attracts BSc (Human Nutrition and Dietetics) of University of Dublin
- DT 273 Technician Diploma in Applied Science (Applied Biology Option)
Three years, common first year and three discrete streams in the second and third years, one of which is Applied Biology
- DT 214 Certificate in Medical Laboratory Sciences
Three years

Undergraduate part-time courses

- K 211 Certificate in Medical Records and Patient Service Management
One year, prepares students for examinations of the Institute of Hospital and Health Service Administrators
- K 212 Diploma in Food Science
Two years
- K 216 Course for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons
Two years, students are prepared for Parts I and II examinations for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons

Postgraduate and post-third level courses

- DT 215 Degree/Diploma in Biomedical Sciences
Two years, attracts the BSc (Applied Sciences) of University of Dublin with honours classification
- DT 213 Graduate Diploma of the Institute of Food Science and Technology
One year, open to graduate of appropriate discipline or equivalent,
- DT 219 Graduateship Diploma of the Institute of Biology
1.5 years, open to graduates from appropriate discipline, or equivalent

Research/consultancy groups

The following are research interest areas in the Department:

- (i) post-prandial lipid metabolism
- (ii) iron-deficient anemia
- (iii) immune studies in liver fluke and pig scour
- (iv) sea lice in farmed salmonid species
- (v) transfer of smolt from fresh water to sea
- (vi) production of imitation cheese
- (vii) guar-enriched bread for diabetics
- (viii) index of infection in newborn
- (ix) adhesion in moraxella infection
- (x) food intolerance databank
- (xi) genetic markers in myeloid leukemia
- (xii) microcapsulation of oils for foods

Contact person

Ms Bríd Ann Ryan, Department of Biological Sciences, DIT Kevin Street, Dublin 8, Ireland.

Telephone no. 353 - 1 - 402 - 4563

Fax no. 353 - 1 - 402 - 4999



Chemistry

The Department of Chemistry in DIT Kevin Street, contributes significantly to undergraduate courses and postgraduate research activities in wide areas of chemical technology, analysis and instrumentation.

Undergraduate full-time courses

FT 222 Diploma in Applied Sciences
Four years, attracts the BSc (Applied Sciences) of University of Dublin, with honours classification. The course has a common first year, leading to seven final year streams, two of which include Chemistry thus Chemistry/Physics, Chemistry/Mathematics

DT 273 Technician Diploma in Applied Science (Applied Chemistry Option)
Three years, common first year and three discrete streams in the latter two years, one of which is Applied Chemistry

Undergraduate part-time courses

K 291 Graduateship of the Royal Society of Chemistry (GRSC) (Part I)
Two years, open to NCEA Certificate holders, or equivalent. Those holding the award qualify for Licenciateship of Royal Society of Chemistry (UK)

Post-third level course

DT 299 Diploma in Chemical Sciences
3-semester, entry at LRSC level, attracts the BSc (Chemical Sciences) of Dublin City University, with award leading to GRSC

Research/consultancy groups

There are currently up to 20 postgraduate students in the department with the following research interest areas:

- (i) atmospheric pollution and waste management
- (ii) pharmaceutical product development
- (iii) electrochemical sensors
- (iv) photochemical electron transfer and synthesis
- (v) conducting polymers
- (vi) surface chemistry
- (vii) clean technology for mineral processing.

Projects are carried out in close co-operation with industry and other academic institutes throughout Europe.

Special facilities

The Department has a substantial array of modern equipment in the areas of spectroscopy, chromatography, electrochemistry, thermogravimetric techniques, solvent extraction and filtration.

Contact person

**Dr. Noel Russell, Department of Chemistry,
DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4570
Fax no. 353 - 1 - 402 - 4999**



Mathematics, Statistics and Computer Science

The Department of Mathematics, Statistics and Computer Science in DIT Kevin Street, offers advanced teaching and postgraduate research in these subjects and a wide range of service courses to other departments.

Undergraduate full-time courses

- FT 222 Diploma in Applied Sciences
Four years, attracts a BSc (Applied Science) degree of University of Dublin, with honours classification. Five final year strands are contributed by the Department as follows
Mathematics/Physics
Mathematics/Chemistry
Mathematics/Computer Science
Computer Science/Physics
Computer Science/Software
Engineering
- DT 26 Diploma in Computer Science
Three years

The Department also offers Mathematics and Statistics components in all the Electrical and Electronic engineering courses at Degree and Diploma/Certificate levels, and also the Technician Diploma courses in the physical, chemical and biological sciences.

Undergraduate part-time and apprentice courses

- K 263 Certificate in Mathematics
Two years, leading to a Licentiatehip of the Institute of Mathematics and its Applications
- K 265 Diploma in Mathematics
Two years, following above Certificate, leading to graduate membership of the Institute of Mathematics and its Applications, which is at honours degree level
- K 264 Graduate Diploma in Statistics
Four years, leading to Graduate Diploma in Statistics of Institute of Statisticians (UK)

- K 267 Course in Computer Science (Part I)
Two years, leading to Licentiatehip of the British Computer Society
- K 267 Course in Computer Science (Part II)
Two years, further to Part I above, leading to membership of the British Computer Society, which is of honours degree level

Postgraduate course

- FT 230 MSc in Information Technology
One year, full-time, ATS-funded, open to honours degree holders, or equivalent, in computer science or related discipline, and attracting degree from Staffordshire University (UK)

Research/consultancy activities

The principal areas of research activity are:

- (i) algebra - Abelian groups
- (ii) continuum mechanics - viscoelastic boundary value problems
- (iii) theoretical physics - high energy particle physics, applied quantum mechanics
- (iv) statistics - psychiatric epidemiology, other health-related areas
- (v) computer science - human-computer interface, medical imaging systems, optical character recognition, object-oriented programming, application of computers to nutrition

Contact person

Dr. J. M. Golden, Department of Mathematics, Statistics and Computer Science, DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4611
Fax no. 353 - 1 - 402 - 4999



Physics

Physics is a key element in all the sciences and technologies and therefore the subject is a fundamental course in all science and engineering courses conducted in the Institute. The Department of Physics in DIT Kevin Street, currently covers the areas of general physics, including optics, optoelectronics, radiation physics, instrumentation, thermodynamics, acoustics, medical physics, optometry and photography.

Undergraduate full-time courses

- FT 222 Diploma in Applied Sciences
Four years, attracts the BSc (Applied Sciences) of University of Dublin, with honours classification. The course has a common first year, leading to seven final year streams, three of which include Physics as follows
Physics/Chemistry,
Physics/Mathematics,
Physics/Computer Science
- DT 273 Technician Diploma in Applied Science (Applied Physics Option)
Three years, common first year and three discrete streams in the latter two years, one of which is Applied Physics
- DT 279 Diploma in Photography
Three years
- DT 272 Diploma in Optometry
Four years, leads to the Irish professional qualification, under Bord na Radharcmhastóir', as an optometrist (ophthalmic optician)

Undergraduate part-time courses

- K 271 Technician Certificate in Medical Physics and Physiological Measurement
Two years, run every 2 years
- PSTO Certificate in Optical Dispensing
Three years, run occasionally, fulfils the educational requirements of Bord na

Radharcmhastóir' for registration as a dispensing optician.

In addition the Department services 11 other technology-based courses offered throughout the Institute.

Research/consultancy groups

There are currently eight research groups in the department with the following interest areas:

- (i) biomedical engineering and medical imaging applications
- (ii) ophthalmological diagnostic instrumentation
- (iii) particle physics in collaboration with CERN in Geneva
- (iv) electronic speckle pattern interferometry and holographic recording materials and components
- (v) high bit rate coherent fibre optical communication with CNET at Lannion (France)
- (vi) visual acuity after cataract extraction
- (vii) interaction of air pollution and human lungs
- (viii) acoustics of Irish Harp and environmental noise analysis.

Special links

The Department has research or staff/student exchange links with universities in most European countries, the USA, Mexico, Canada and China, as well as with CERN and CNET.

Contact person

Dr. Vincent Toal, Department of Physics,
DIT Kevin Street, Dublin 8, Ireland.
Telephone no. 353 - 1 - 402 - 4560
Fax no. 353 - 1 - 402 - 4999
Email VTOAL@DIT.IE

Science, Mathematics and General Studies

The Department of Science, Mathematics and General Studies in DIT Bolton Street, provides teaching services in these subject areas and in computing, to a wide range of technological courses at Degree, Diploma and Certificate level and it also contributes significantly to apprentice education. It has a range of research activities as indicated below.

Contact person

Mr. Gerry Lawlor, Department of Science, Mathematics and General Studies, DIT Bolton Street, Dublin 1, Ireland.

Telephone no. 353 - 1 - 402 - 3696

Fax no. 353 - 1 - 402 - 3999

Part-time undergraduate courses

B 770	Introductory programming
B 771	Computer programming
B 772	Advanced programming
B 781	Autocad
B 782	Autocad - three dimensional
B 783	Autocad customisation and system management
B 791	Wordprocessing and desk top publishing
B 792	Databases and spreadsheets Each one year, prepares student for City and Guilds of London Institute examinations

Research/consultancy groups

There are currently 5 postgraduate students in research groups in the department with the following interest areas:

- (i) alternative energy technology
- (ii) computer-aided education
- (iii) waste disposal and environmental issues
- (iv) econometric models in the Irish construction industry
- (v) image processing and environmental measurement
- (vi) artificial intelligence systems applied to building regulations
- (vii) computer modelling of architectural structures



Food Science and Environmental Health

The School of Food Science and Environmental Health in DIT Cathal Brugha Street, was formally established in 1981. The teaching and research activities of the School are focussed on food and related areas, environmental health and the environment. These activities provide services to industry, to the regulatory agencies and to the public at large.

Undergraduate full-time courses

- FT 491 Diploma in Environmental Health
Four years, attracts the BSc (Environmental Health) of the University of Dublin.
- DT 493 Certificate in Food Technology
Two years,
- DT 495 Diploma in Food Technology
One year, open to Distinction and Merit grade graduates of the above Certificate and to appropriately qualified transfer applicants
- DT 496 Certificate in Food Quality Assurance (Horticulture)
Two years
- DT 492 Diploma in Food Quality Assurance (Horticulture)
One year, open to Distinction and Merit grade graduates of the above Certificate and to appropriately qualified transfer applicants
- DT 497 Diploma in Environmental Resources Management
Three years
- DT 498 Certificate in Health Care Technology
Two years
- DT 499 Diploma in Health Care Technology
One year, open to Distinction and Merit grade graduates of the above Certificate and to appropriately qualified transfer applicants

Research/consultancy groups

The School has a research programme of which the principal areas are:

- (i) food quality and safety
- (ii) food processing
- (iii) microbiological technologies
- (iv) fisheries technology
- (v) bio-inorganic chemistry
- (vi) environmental health
- (vii) environmental database management
- (viii) environmental interpretation
- (ix) heritage studies

The environmental health research group is organised to provide research, development, consultancy, education and training services on a national and international scale.

Contact person

Dr. Marlene Proctor, School of Food Science and Environmental Health, DIT Cathal Brugha Street, Dublin 1, Ireland.
Telephone no. 353 - 1 - 402 - 4356
Fax no. 353 - 1 - 402 - 4496
Email MPROCTOR@DIT.IE



Hotel, Tourism and Catering Management

The School of Hotel, Tourism and Catering Management in DIT Cathal Brugha Street, is the leading centre in Ireland in hospitality and tourism management education. The programmes on offer have a strongly applied management and marketing focus.

Undergraduate full-time courses

- FT 401 Higher Diploma in Hotel and Catering Management
Four years, attracts a BSc (Management) of University of Dublin, with graduates qualifying for membership of Irish Hotel and Catering Institute and for licentiateship of Hotel Catering and Institutional Management Association (UK)
- DT 402 Diploma in Hotel Management
- DT 403 Diploma in Catering Management
Each three years, with graduates eligible for membership of Irish Hotel and Catering Institute
- DT 404 Diploma in Leisure Management
Three years
- DT 410 Certificate in Travel and Tourism
Two years

Undergraduate part-time courses

- C 407 Certificate in Supervisory Management
Two years
- C413 Hotel Management
Three years, graduates eligible for membership of the Irish Hotel and Catering Institute

Short Courses

Short courses for practitioners in the hotel, catering and tourism industries, in information systems, change management, decision support systems, food and beverage control, effective management

Postgraduate Courses

- FT 408 Graduate Diploma in Rural Tourism
One year, full-time, ATS-funded, open to degree or diploma holders in relevant discipline

Research/consultancy groups

The principal research areas in the School are the following:

- (i) strategic management in hospitality and tourism
- (ii) revenue and yield management
- (iii) computerisation and electronic communications in the hospitality and tourism industry
- (iv) application of expert systems and virtual reality in the tourism industry
- (v) tourism and hospitality law
- (vi) employment creation
- (vii) atypical work forms in the service sector, particularly the hospitality industry

The **DIT Tourism Research Centre** operates within the School.

Contact person

Mr. Peter Griffin, School of Hotel, Tourism and Catering Management, DIT Cathal Brugha Street, Dublin 1, Ireland.

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Hotel and Catering Operations

The School of Hotel and Catering Operations in DIT Cathal Brugha Street, is concerned mainly with teaching for professional careers in the hotel and catering industry. Service teaching is provided for a wide range of courses related to areas of hotel, catering and leisure studies. Currently, research is carried out by members of the academic staff and a small number of research students, in these areas.

Undergraduate full-time courses

- DT 440 Certificate in Hotel and Catering Supervision
Two years, graduates eligible for membership of Irish Hotel and Catering Institute
- DT 444 Certificate in Culinary Arts (Diet Cookery)
Two years

Undergraduate part-time and apprentice courses

- DT 430 Certificate in Food & Beverage Service
One year, organised with CERT
- DT 431 Certificate in Supervision of Food Service Operations
One year, organised with CERT
- DT 432 Certificate in Professional Cookery
Two years, organised with CERT, endorsed by Department of Education

Food and beverage advanced restaurant service (day release), apprentice chefs (day release), skills development for cooks/chefs, apprentice restaurant service, advanced chefs modular programme (day release) - larder: pastry: fish & sauce: ethnic: kitchen management, Certificate/Higher Certificate in wine & spirit studies, sugar craft

Research/consultancy groups

The principal areas of research within the School are the following:

- (i) development of a culinary arts research centre
- (ii) development of a conceptual service quality model for hotels
- (iii) application of HACCP in restaurant delivery systems
- (iv) hospitality quality audits
- (v) ethnic foods, recipe formulation
- (vi) menu formulation and process development
- (viii) health, hygiene and safety in catering
- (ix) catering technology systems design and engineering
- (x) development of value-added food products

Contact person

Mr. Joseph Hegarty, School of Hotel and Catering Operations, DIT Cathal Brugha Street, Dublin 1, Ireland.

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DIT Academic Calendar

Non-semesterised courses

01 September 1995	Start of academic year
18 September 1995	Start of first term for full-time courses
15 December 1995	End of first term
08 January 1996	Start of second term
29 March 1996	End of second term
15 April 1996	Start of third term
03 May 1996	End of third term

Semesterised courses

18 September 1995	Start of winter semester
12 January 1996	End of winter semester
29 January 1996	Start of spring semester
17 May 1996	End of spring semester

[Classes are not scheduled on public holidays, nor between 18 December 1995 and 5 January 1996 inclusive, nor between 1 April 1996 and 13 April 1996 inclusive.]

Other Contact Persons for Postgraduate Studies

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Fax no. 353 - 1 - 402 - 3339
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Telephone no. 353 - 1 - 402 - 3372
Fax no. 353 - 1 - 402 - 3339

Mr. Rea O'Neill, Industrial Liaison Officer
Telephone no. 353 - 1 - 402 - 3369
Fax no. 353 - 1 - 402 - 3339

Mr. Vincent O'Hora, Admissions Officer
Telephone no. 353 - 1 - 402 - 3304
Fax no. 353 - 1 - 402 - 3339

Ms Eileen Fitzpatrick, Careers Officer
Telephone no. 353 - 1 - 402 - 3351
Fax no. 353 - 1 - 402 - 3339

Mr. Dermot Hegarty, Student Services Officer
Telephone no. 353 - 1 - 402 - 3353
Fax no. 353 - 1 - 402 - 3339

All at
*DIT Central Office
Fitzwilliam House
30 Upper Pembroke Street
Dublin 2, Ireland*

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References to the requirements of outside professional bodies are not intended to be complete or exhaustive nor indeed absolutely correct at the time of publication, since they are subject to change. Accordingly, those interested are advised to make direct contact with the professional bodies concerned to ascertain their up-to-date requirements.

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