

1997

Full-time Courses, Entry 1997

City of Dublin Vocational Education Committee

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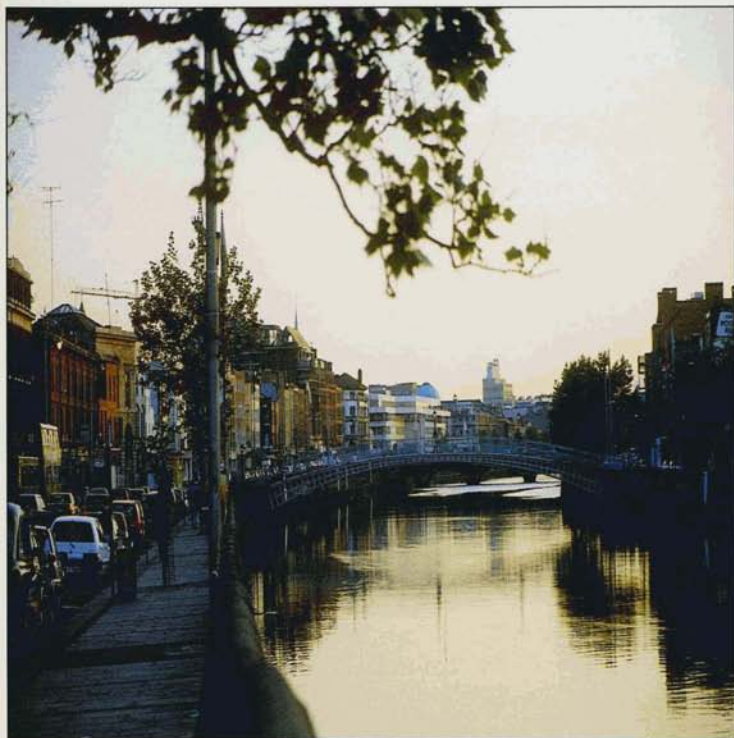
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DUBLIN INSTITUTE of TECHNOLOGY

Institiúid Teicneolaíochta Bhaile Átha Cliath



ENTRY
1997

BOLTON STREET

SRÁID BHOLTÚIN

DIT FULL-TIME COURSES • CÚRSAÍ LÁNAIMSEARATHA

Dublin City...

OUR Campus

DIT Adelaide Road, Dublin 2
Telephone: 478 4788 Fax: 478 4738

DIT Aungier Street, Dublin 2
Telephone: 402 3000 Fax: 402 3003

DIT Bolton Street, Dublin 1
Telephone: 402 3000 Fax: 402 3999

DIT Cathal Brugha Street, Dublin 1
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DIT Mountjoy Square, Dublin 1
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List of Full-Time Courses



Foreword

This is a particularly exciting time to be considering entering higher education with such a wide range of excellent course choices on offer in different kinds of institutions. If you are involved in this process it is important that you consider and evaluate carefully the various opportunities available before completing your CAO/CAS form and entering your course selections in order of preference. Few decisions which you will make are likely to have a more profound effect on your life and future career path.

We expect that in your evaluation of the various courses available you will give special attention to those offered by Dublin Institute of Technology (DIT). We hope that our promotional literature will provide you with the details which you require about our programmes to make an informed choice. The Institute has a very wide range of programmes with more than 80 different courses or course options at Certificate, Diploma and Degree levels, thus offering excellent opportunities to progress to the highest academic and professional levels.

Most of our courses are vocationally oriented and have a special focus on the needs of the job market. Our graduates are very highly regarded, both nationally and internationally. They are acknowledged as having a good balance of academic knowledge, skills and aptitudes which are acquired while pursuing carefully formulated courses, reviewed regularly in order to maintain their relevance and quality standards.

This is an interesting period in DIT following the implementation of its new legislation which brought its six Colleges together to form a major new Institute, building on strengths and traditions that go back more

than a century. As DIT enters a new phase of development and expansion it offers many opportunities for young people (and the not so young!) to achieve their career goals and realise personal ambitions and fulfilment in a stimulating and caring educational environment. If you decide to include DIT courses amongst your preferences and are successful in obtaining a place in one of them we hope that you will both enjoy and benefit from your time with us.

Brendan Goldsmith

Dr. Brendan Goldsmith
President.

June 1996



DIT Awards

The colleges of DIT, under the authority of the City of Dublin Vocational Education Committee, (CDVEC), under which they operated until 1992, began making their own awards in the late 1950's. Over the years these awards won national and international recognition and also met the full academic requirements for membership of professional bodies associated with the various discipline areas.

The Dublin Institute of Technology Act 1992, under which DIT is now established as a statutory body independent of CDVEC, has confirmed the academic awarding capacity of the Institute at Certificate and Diploma levels and has provision for the Institute to make its own Degree awards under an order made by the Minister for Education with the concurrence of the Minister for Finance. The Minister for Education has not, at the time of publication, made such an order empowering DIT to make its own degree awards, pending the restructuring of the Institute as a single integrated body in accordance with it legislation.



University of Dublin Degree Awards

Degree awards of the University became available to graduates of certain courses conducted by DIT under a partnership agreement entered into between CDVEC and the University of Dublin (Trinity College) in 1975.

Since then several thousand DIT graduates have been conferred with University of Dublin degree awards with honours classification as well as with DIT diplomas and this arrangement continues to be in place in respect of some 20 degree course options. Details relating to the different degree awards are included under the individual course entries. Graduates of these courses apply to the University for conferment of their degrees by completing appropriate documentation and paying the specified commencement fees to the University.

Method of Application

Application for admission to 1st year of all DIT full-time 3rd level courses must be made directly to:

The Central Applications Office
Tower House,
Eglinton Street,
Galway.

Application must be made on the CAO/CAS Joint Application form, which is available - together with the CAO/CAS Joint Handbook - from the CAO.

Closing date for receipt of applications is 1st February 1997.

You should read the CAO/CAS Joint Handbook for full details of the application procedure before submitting an application.

Minimum Entry Requirements

The minimum entry requirements for each course are included within the course entries in the section following.

Applicants who do not meet these requirements will not be eligible for consideration for the course(s) concerned.

It should be noted that due to the high demand for places within DIT, an entrance standard well above the minimum will be required.

For the purpose of meeting minimum entry requirements, results from any number of sittings of the Irish Leaving Certificate Examination may be combined.

Selection Procedures

For the majority of DIT full-time 3rd level courses, selection of applicants for places is based upon Leaving Certificate Examination performance which involves allocating points to examination grades. The points system used is shown on page 6.

An applicant's examination score will be calculated by adding together the points scored in the best six subjects in a single sitting of the Irish Leaving Certificate.

In the case of a small number of courses there are additional selection procedures and these are outlined below:



Courses with additional selection procedures

Code	Title	Suitability Test	Portfolio Assessment	Audition	Interview
FT101	Architecture	■			■
FT601	Music Performance			■	■
DT102	Architectural Technology	■			■
DT511	Environmental Design		■		■
DT512	Visual Communication Design		■		■
DT515	Certificate in Design (Display)		■		■
DT516	Certificate in Design (Presentation)		■		■
DT517	Certificate in Design (Visual Media)		■		■
DT518	Fine Art		■		■
DT602	Music Teaching			■	■
DT603	Speech and Drama Studies			■	■

It is important to note that applicants who do not reach the required standard in the suitability test/portfolio assessment will not be called to interview and will not be considered further for the course(s) involved.

In the case of FT601, DT602 and DT603 applicants must attend for an audition and interview and those who reach the required standard will be invited to sit a written/aural musicianship test.

The maximum assessment points awarded for the above selection procedures are as follows:

Suitability Test:	100
Interview:	100
Portfolio Assessment + Interview:	600
Audition+Interview+Written Test (FT601, DT602, DT603 only):	100

In the case of these courses, an applicant's overall points score will be calculated by adding together the examination points score and assessment points score.



Points System for all courses

The table shows the number of points awarded to each grade in the Irish Leaving Certificate Examination.

	Higher Level	Grade	Ordinary Level
From 1992	100	A1	60
	90	A2	50
	85	B1	45
	80	B2	40
	75	B3	35
	70	C1	30
	65	C2	25
	60	C3	20
	55	D1	15
	50	D2	10
Before 1992	45	D3	5
	95	A	55
	80	B	40
	65	C	25
	50	D	10

Special Category Applicants

Where applicants wish to be considered for places on the basis of entry qualifications other than the Leaving

Certificate, they would normally fall into one of the categories listed below. Such applicants are treated as special category applicants and are assessed separately from the main stream of candidates.

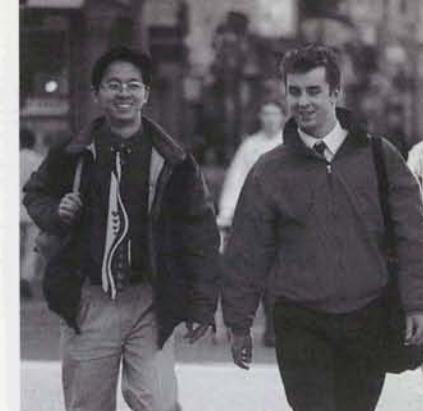
Mature Applicants

A mature applicant who is 23 years of age or over on 1st January of the year of entry and who does not meet the normal minimum admission requirements may be considered for admission to an appropriate course after attending in person for interview and satisfying the Institute as to his/her ability to benefit from the proposed course. Such applicants may be required to sit and pass an entrance test or suitability test before being admitted.

Overseas Applicants

Applicants whose permanent residence is outside the European Union are regarded as overseas applicants and must apply not later than 15th December 1996 using the CAO/CAS application form which is available on request from CAO.

Because of the large number of applications received each year from qualified E.U. applicants and the limited number of places available, the Institute regrets that it has to limit admission of overseas applicants to the small quota of places reserved for those who are sponsored by official agencies linked to Ireland's development aid programme. Certified translations of overseas qualifications, not issued in English, must be furnished with the application.



Trade/Craft Applicants

For many of the courses in DIT which specify a pass in five subjects in the Leaving Certificate Examination as the entrance requirement, the Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or a science subject will satisfy the minimum entrance requirement. Students holding this Certificate with three endorsements in academic subjects are eligible for consideration for entry into related professional/degree level courses. Where endorsement subjects are not offered in trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate of the Department of Education is an acceptable equivalent.

Transferee Students

Each year a number of applicants, who already possess third-level qualifications, e.g., National Certificates and/or Diplomas, are admitted to the more advanced stages of DIT Diploma and Degree courses. Typically, those who are qualified at Certificate level may transfer to Diploma courses and those who already hold a Diploma may transfer to a Degree course, provided they have an appropriate educational background and level of achievement which is contiguous or closely related to the standard of the course for which they have applied. Such students **do not** apply through the CAO, but should complete a DIT transferee application form, available on request from the DIT Admissions Office.

Offers and acceptances of places

During the period August-September offers of places are issued through CAO in a series of offer rounds.

The initial offer round in early August will include applicants who have already been assessed and are not awaiting Leaving Certificate results for the current year. (e.g. Mature, Overseas, Deferred Entrants etc).

The main bulk of offers will be issued as soon as possible after the Leaving Certificate results become available, normally towards the end of August.

The procedures for accepting offers will be clearly detailed on the offer notices issued by CAO. These procedures must be strictly adhered to in order to secure a place.

Applicants receiving offers are advised to read very carefully all documentation issued by CAO at offer stage, and to follow all instructions precisely.

FAILURE TO DO SO MAY RESULT IN THE LOSS OF THE PLACE BEING OFFERED.

Please read the CAO/CAS Joint Handbook now.



Deferred Entry

A facility to defer entry for one year is available at present. In order to avail of the facility, an applicant must first be offered a



place on a DIT course and then take the following steps:

1. The successful applicant should not accept the place offered or pay any deposit.
2. He/She must apply in writing to the Admissions Officer, Dublin Institute of Technology, 30 Upper Pembroke Street, Dublin 2, requesting deferral and giving the reason. The CAO/CAS offer notice must be included.
3. The written request must be received in the DIT Admissions Office no later than two days before the closing date for acceptance of places in the particular offer round.

If the request for deferral is granted the applicant will be advised in writing and a place on the course involved will be reserved for him/her for the following year.

If the request is not granted, the applicant will be notified in writing and may then accept the original offer for the current year.

Applicants who are granted deferral will be required to comply with certain procedures for taking up the reserved place, **including the submission of an application form to CAO for the deferred course in the following year.** Such procedures will be advised to the applicant in writing by the Admissions Officer before the 15th January of the following year.

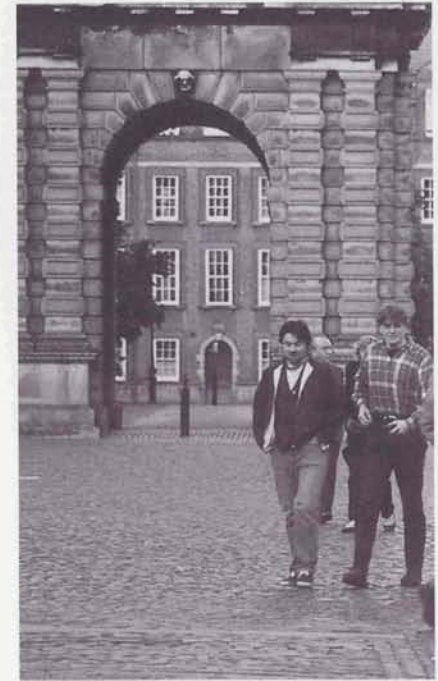
Grants and Scholarships

Higher Education Grants

Students who are admitted to Diploma/Degree level courses conducted by the Institute may apply for a Higher Education Grant to the Local Authority where their 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).

V.E.C. Scholarships

Students who are admitted to Diploma/Degree level courses conducted by the Institute may apply for a VEC Scholarship from the Vocational Education Committee of the area where their parents or guardians normally reside. Information on eligibility, conditions (including closing date) and application forms are available from the **appropriate Vocational Education Committee.**



ESF Training Allowances

ESF (European Social Fund) training allowances may be available to students while they are pursuing certain 1, 2, & 3 year courses provided their attendance record and general performance is satisfactory. These allowances cover tuition fees and may also provide for payment of a monthly maintenance allowance for those who are admitted to a course of this type.

Applicants should note that the maintenance element of these allowances is subject to a means test and applications for maintenance should be made to your local Vocational Education Committee. ESF training allowances may be available in 1997 for all DIT Certificate/Diploma courses except DT120, DT272, DT317, DT409, DT511, DT512 and DT518.

A student may not hold more than one of the above in respect of his/her attendance on a course.

Applicants with disabilities

It is appreciated that some applicants with disabilities of various kinds may require special facilities. Such applicants should contact the DIT Admissions Office well in advance of submitting an application to discuss particular needs and the possible availability of the special facilities required.

Student facilities

DIT Library Facilities

All DIT Centres have their own libraries. Total collections are presently in excess of 100,000 items with 1,000 current journal titles received. Library facilities are available to all students with your DIT I.D. card also being your library card. The libraries are networked operating the same computer system and sharing a common database - the entire holdings, their locations and status are displayed on the Opacs (on-line

terminals) in each site. You may borrow from any of the DIT Libraries.

Generally your local library provides study facilities, textbooks, reference and course materials and journals to support the courses offered and to facilitate research. Material may be available in many formats: videos, slides, microfilms, CD-ROMS, disks, tapes and maps.

Special information tools, indexing and abstracting journals, CD-ROM services and on-line searching are available, to varying degrees, in the different libraries. Hours of opening vary from library to library according to the time of year. All of the libraries operate a book security system to safeguard their collections. Photocopying services are provided. Your library will be a valuable resource for you during your years at college.

DIT Computer Centre

The DIT Computer Centre at Aungier Street provides a central computing service to the Centres of the Institute. This service covers both academic and administrative requirements at staff and



student levels. The centres are linked together in a Metropolitan Area Network (MAN) in which the Computer Centre forms the hub. This MAN integrates extensive PC and Fileserver based Local Area Networks (LAN) at each site with the central computing systems. The MAN also hosts a DIT-wide voice system. DITNET is also connected to the rest of the world through HEANet, IEUnet and Telecom Eireann's EIRPAC service providing a full range of world-wide Internet services.

Staff and students have access to IBM compatible PCs, Apple MACs, Fileservers, and the popular DEC VAX minicomputer systems in an integrated networked environment.



The Computer Centre manages the support and development of both the central computing facility, the MAN and the LANs, and also acts in an advisory capacity to the development and integration of local computing and communications facilities.

Applications directly provided by the central computing service include: student, finance and library administrative systems and a large variety of academic computing applications.

DIT Restaurant Facilities

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

DIT Careers and Appointments Service

In their final year in DIT students are faced with a number of important decisions.



The options include going on to further study, entering employment or taking a year out. The Careers and Appointments Service helps students with these decisions through individual and group guidance. Information is available through the computer network on a range of post-graduate courses, graduate employment opportunities and job vacancies in Ireland and abroad.

Seminars are held throughout the academic year on the jobs market, application procedures and interview skills.



Employers contact the Careers and Appointments Officer about job vacancies and these are notified to recent graduates as well as students. Lecturers in individual DIT Centres also provide students with advice and information on employment and career opportunities.

DIT Student Counselling Service

The DIT Student Counselling Service is a confidential service staffed by a team of Counselling Psychologists with an office in each of the six DIT centres.

The Counselling service aims to help students to identify and solve any difficulties, large or small, that might interfere with academic and personal development. Some of the issues that a student might talk to a counsellor about would include social/personal difficulties, financial worries, studies worries, to name but a few. But you certainly don't have to have enormous problems before you talk to a counsellor. In addition to individual counselling, the service offers a variety of workshops/training seminars in such areas as study skills, stress management, communication skills etc. Students can make an appointment by telephoning the central office or by contacting the counsellor directly in the DIT centre.

DIT Chaplaincy

The DIT Chaplaincy is an inter-faith ecumenical service. It is made up of men and women from different Christian traditions and offers a welcome to all of the students. Education is more than what is written in the curriculum and more than what happens during lectures. The old word for education 'educere', means 'to draw out' or to discover. The Chaplains are here to help you to grapple with the business of meaning of trying to make sense of it all, especially when it doesn't seem to make much sense. Feel free to stop the Chaplain in the corridor if you have any questions or drop into the chaplains room at any time. If you find the Chaplain engaged, then simply make an appointment and drop back at a time that suits you both.

You will find opportunities at the Chaplaincy to get involved in some very worthwhile social justice issues or community building projects. You might like to spend some time working with children, the handicapped or the elderly. Maybe you would like some quiet time away from it all. If so the chaplains offer times of reflection and meditation and even retreat week-ends that might be just what you're looking for. Keep an eye on the Chaplains' notice-board for details.

DIT Student Personal Accident Insurance

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

DIT Student Services Office

The DIT Student Services Office administers a variety of services in the DIT centres, and oversees the distribution and expenditure of the Student Services Fund, which is created from the Student Services Fee included in the capitation fee paid by each student of the Institute.



DIT Student Services Fund

This Fund is distributed under the following headings:

- Clubs and Societies:**
 - Sports
 - Recreational
 - Course-Related
 - Cultural
 - Social
- Students' Union**
- Welfare:**
 - Accommodation Service
 - Medical Service
 - Student Assistance Fund
 - Child Care Support Fund
- Development Fund**

DIT Student Accommodation Service

This is an information service provided by the Student Services Office, in co-operation with the Students' Union. A list is produced containing available living accommodation, both self-catering and lodgings ("digs"), including details of location, number of places and charges, etc. This list may be obtained from the Registration Office or the Students' Union on each campus, or from the Student Services Office.



DIT Kevin Street.



DIT Bolton Street.



DIT Adelaide Road.



DIT Mountjoy Square.



DIT First Aid/Medical Service

The Student Medical Service is a scheme whereby a number of Medical Practitioners provide treatment at a subsidised cost to students requiring medical assistance, and who are not covered by Medical Cards. Patients are seen by appointment, either at specified times in the DIT centre, or in the doctor's own rooms.

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.

DIT Student Assistance Fund

The Student Assistance Fund, administered by the Student Services Officer, provides limited additional support for full-time students who are experiencing temporary or unforeseen financial difficulties due to a significant change of circumstances. Small financial grants may be made having

regard to the individual's needs. The Student Assistance Fund can normally only deal with cases of extreme hardship, and is available to students who have already spent at least one term in college. Students are usually referred to the fund by DIT Student counsellors, Chaplains, Course Tutors or Students' Union Welfare Officers.

DIT Child Care Support Fund

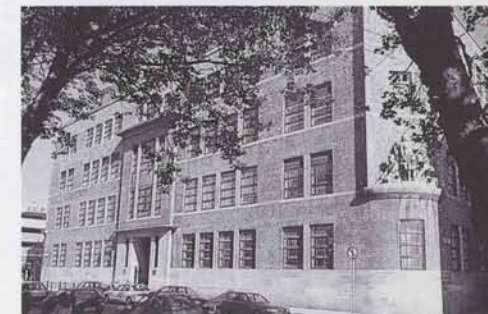
The Child Care Support Fund, also administered by the Student Services Officer, is a scheme which provides a small subsidy to students who are parents and need assistance in meeting the cost of child care during the academic year. As these students are usually entitled to some state benefits and allowances, the scheme is restricted and means-tested.

DIT Development Fund

A sum is set aside annually as a contribution by students towards the costs



DIT Aungier Street.



DIT Cathal Brugha Street.



DIT Fitzwilliam House (Central Office).

associated with the establishment of a DIT Student Social and Recreational Centre.

DIT Clubs and Societies

Over 150 Clubs and Societies operate in the Institute. These represent all of the major (and many minor) sporting disciplines, as well as cultural and social activity and numerous course-related societies. Some of the DIT centres have well-equipped gymnasiums and the swimming pool in DIT Kevin Street is available to registered students. Other local facilities are used as required.



DIT 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 college.

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 also provides travel and general information as well as financial and welfare advice. In this respect, the Union's officers work closely with the Institute's Student Services Office, Counselling Service and Chaplaincy.





Full-time courses available at DIT Bolton Street

Code	Title	Duration (Years)	Min. Entry Points '95	DIT Award	Page
DEGREE LEVEL					
FT101	Architecture	5	554*	Diploma†	20
FT110	Property Economics	4	400	Diploma†	23
FT111	Construction Economics	4	385	Diploma†	25
FT125	Engineering (Mechanical, Building Services, Manufacturing and Structural options)	4	405	Diploma†	27
DIPLOMA/CERTIFICATE LEVEL					
DT102	Architectural Technician	3	458*	Diploma	32
DT114	Construction Technology	2/3	320	Cert/Dip	34
DT115	Geo-Surveying	2/3	340	Cert/Dip	35
DT116	Auctioneering Valuations and Estate Agency	2/3	350	Cert/Dip	38
DT120	Preliminary Engineering	1	360	-	40
DT126	Civil Engineering Technician	2/3	330	Cert/Dip	41
DT127	Building Services Engineering Technician	2/3	290	Cert/Dip	43
DT128	Mechanical Engineering Technician	2/3	335	Cert/Dip	45
DT130	Printing Technician/Printing Management	2/3	325	Cert/Dip	47
DT150	Transport Engineering Technician/Motor Industry Management	2/3	240	Cert/Dip	50
DT171	Buildings Maintenance Technician	2	220	Certificate	52
OTHER THIRD LEVEL COURSES (NOT AVAILABLE TO SCHOOL-LEAVERS)					
DT131	Graphic Reproduction Technology	1	N/A	Diploma	49

†Graduates of these courses are also eligible for degree awards of the University of Dublin (Trinity College)

*Includes score for suitability test and interview assessment.

The Minimum Entry Points for 1996 were not available at the time of publication but will be available in September 1996 from the DIT Admissions Office, Telephone: (01) 402 3445



Course Description

This is a five year full-time course which prepares students wishing to make their careers in Architecture. The course covers a wide range of subjects and aims at a synthesis of knowledge gained from the use of these subjects in architectural design projects culminating in a Final Year Thesis in the design of a major building. Students are required to gain professional experience in architectural office practice during the summer vacations and, in this way, support their study and their ability to work individually, or as members of a team.

Course Outline**First Year:**

Studio Work, Physics 1, Chemistry 1, Mathematics and Statistics, Civilisation Studies 1, Theory of Architecture 1, Mechanics, Design Technology 1, Trade Practice.

Second Year:

Studio Work, Building Materials, Design Technology II, Civilisation Studies II,



Chemistry II, Physics II, Building Services, Structural Engineering, Theory of Architecture II.

Third Year:

Studio Work, Environmental Science, Civilisation Studies III, Interior Design, Surveying and Levelling, Theory of Architecture III, Design Technology III, Structural Engineering II, History of Urbanism, Computer Applications.

Fourth Year:

Studio Work, Economics and Cost Control, Civilisation Studies IV, Structural



Engineering III, Design Technology IV, Professional Practice, Urban Studies, Theory of Architecture IV, Computer Applications.

Fifth Year:

Studio Work, Economics and Cost Control, Urban Design, Professional Practice II, Structural Engineering IV, Conservation Studies, Design Technology V.

Duration

Five years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in six subjects, at least two of which must be Grade C3 or higher on Higher Level Papers, or equivalent qualifications. The six subjects must include Mathematics and English or Irish.

Applicants may be required to undertake a suitability test and if the appropriate standard is achieved, they may be interviewed as part of the selection process. The suitability test is usually held at Easter time, and the interviews in mid-May.

While a portfolio is not mandatory for the interview, it should be noted that most interviewees have a portfolio with them when being interviewed.

Graduates of this course are eligible for the following awards:

Award

Diploma in Architecture
(Dublin Institute of Technology).
Bachelor of Architectural Science
(University of Dublin).

They are also eligible on graduation for Associate Membership of the Royal Institute of Architects of Ireland. Following two years of post graduate experience they may take the Institute's examination in Professional Competence and thus become members of the R.I.A.I.

The DIT Diploma in Architecture is a qualification which is recognised for the profession of architect in Member States of the European Union.





Career Opportunities

The qualification is for the profession of Architect. Architects are concerned with the design of buildings and supervision of building projects. They may practice in a personal professional capacity, or in employment in private and public sector organisations. The field of practice is quite extensive in Ireland and abroad and may offer alternatives of general practice or specialisation throughout a career. Some graduates spend time abroad to gain wider and more varied design experience.

The course and the career require a creative aptitude for architectural design and the organisational ability for its implementation in practice. The range of

subject material in the course is wide, and calls for an interest and ability in artistic and cultural aspects as well as in technical matters and in managerial skills.

Further Information

Mr. James Horan,
Department of Architecture and Town
Planning.
Telephone: (01) 402 3701.

FT110 Property Economics

DIPLOMA/DEGREE BSc (Surv)

Course Description

This is a four year full-time course which prepares students wishing to make their careers in Valuation Surveying, Property Auctioneering, Investment and Management and Estate Agency in Ireland and abroad. It is also suitable for those interested in Property Development, Town Planning and the general investment market. Graduates may be employed as valuers, estate agents, property consultants and investment advisors, developers and planners. The course provides an education in the financial, legal, planning and construction aspects of property in the context of the investment market in general and it provides students with a thorough understanding of the economic functioning of the built environment.

Course Outline

First Year:

Urban Sociology, Economics, Quantitative Methods, Valuations and Professional Development, Land Surveying, Construction Technology, Law.

Second Year:

Law, Construction Technology, Property Management and Marketing, Financial and Quantitative Analysis, Valuations, Planning, Economics.

Third Year:

Law, Taxation, Investment Analysis and Financial Accounting, Planning, Urban Economics, Valuations, Maintenance of Buildings. During this year students may undertake a major integrated project on urban renewal/development.

Fourth Year:

Planning, Urban Economics, Valuations, Investment Analysis. In the fourth year

each student prepares a major dissertation as part of the final examination.

Duration

Four years full-time.

Location

DIT Bolton Street.

Entry Requirements

The minimum educational qualification required for entry is the Leaving Certificate with passes in six subjects, at least two of which must be at Grade C3 or higher on higher level papers or equivalent qualifications. The six subjects passed must include Mathematics and English or Irish.





Award

Graduates of this course are eligible for the following awards:

Diploma in Property Economics (Dublin Institute of Technology).
Bachelor of Science (Surveying) (University of Dublin).

Upon successful completion of a test of professional competence, holders of these awards are eligible for Corporate Membership of the Society of Chartered Surveyors and the Royal Institution of Chartered Surveyors in the U.K. They are exempted from the Intermediate Examination of the Royal Town Planning Institute and are also accepted for entry to appropriate post-graduate courses in Ireland and abroad. The course is also recognised by the Irish Auctioneers and Valuers Institute.

Career Opportunities

The qualification is for the profession of Chartered Surveyor, which includes occupations in the fields of Auctioneering, Estate Agency and Property Valuation, Investment and Management.

Property Economists are concerned with the broader areas of land and property development, valuation surveying, estate management and town planning. They are employed in private and public organisations such as firms of auctioneers and estate agents, property development companies, valuation consultants, local authorities and the National Valuation Office.

The courses and careers in the discipline of Property Surveying call for an interest and ability in the financial and legal aspects of the property and construction industry, and in the managerial skills applied to building and property developments.

To date, Property Economists have obtained suitable employment mostly in private practice, but also in areas such as the financial investment departments of banks and insurance companies.

Further Information

Mr. Tom Dunne,
 Department of Surveying and Building,
 Telephone: (01) 402 3701

FT111 Construction Economics

DIPLOMA/DEGREE BSc (Surv)

Course Description

This is a four year full-time course which prepares students wishing to make their career in Construction Economics. It is designed for those who wish to work as quantity surveyors and economics advisors in the construction industry or as building development co-ordinators and building managers. The course provides a sound general education in the different aspects of this field with emphasis on practical construction economy and, in consequence, the course incorporates much project work. Students are encouraged to gain industrial and professional experience during the summer vacations and in this way they are introduced to applying their technical knowledge to practical problems, working individually, or as a team.

Course Outline

First Year:

Construction Law, Construction Studies, Economics and Financial Management, Tender Documentation and Professional Development, Quantitative Methods.

Second Year:

Construction Law, Construction Management, Construction Studies A and B, Economics and Financial Management, Land Surveying, Tender Documentation, Quantitative Methods.

Third Year:

Construction Management, Administration of Contracts and Law, Economics and Financial Management, Construction Studies A and B, Tender Documentation, Building Economics.

Fourth Year:

Building Economics, Construction

Administration and Management, Tender Documentation. In the fourth year, each student prepares a major dissertation as part of the final examination.

Duration

Four years full-time.

Location

DIT Bolton Street.

Entry Requirements

The minimum educational qualification required for entry is the Leaving Certificate with passes in six subjects, at least two of which must be at Grade C3 or higher on higher level papers or equivalent qualifications. The six subjects must include Mathematics and English or Irish.

Award

Graduates of this course are eligible for the following awards:

Diploma in Construction Economics (Dublin Institute of Technology).
Bachelor of Science (Surveying) (University of Dublin).

Upon successful completion of a test of Professional Competence, holders of these awards are eligible for Corporate





to their professional experience before admitting them to membership. Graduates are also accepted for entry to appropriate post-graduate courses in Ireland and abroad.

Career Opportunities

The qualification is for the profession of Chartered Surveyor, which includes occupations in the fields of Construction and Property Management.

The Construction Economist is concerned with the more detailed aspects of the construction and site development. He/she may specialise as a quantity surveyor, in which case he/she analyses building design for purposes of cost planning, and, later, detailed tendering and cost control. Alternatively he/she may practice as a building manager with responsibility for the organisation of contracts, for labour, materials, plant, and negotiations with main and sub-contractors. The courses and careers in the discipline of Surveying call for an interest and ability in the financial and legal aspects of the construction industry, and in the managerial skills applied to building and property development. In general, Construction Economics Graduates have obtained employment in quantity surveyors offices and in the construction industry with contractors and developers.

Further Information

Mr. Tom Dunne,
Department of Surveying and Building,
Telephone: (01) 402 3701

Membership of the Society of Chartered Surveyors (Quantity Surveyors Division), and the Architects and Surveyors Institute. The Chartered Institute of Building requires graduates to undergo an additional examination in management subjects and satisfy an interview board as

FT125 Engineering

DIPLOMA/DEGREE BSc (Eng)

Course Description

This is a four year full-time course which prepares students for a career in Engineering up to and including the highest levels of responsibility. There is a common first year at the end of which students branch out into the following specialities:-

- FT121 Building Services
- FT122 Mechanical
- FT123 Manufacturing (option at the end of 2nd year Mechanical course)
- FT124 Structural

A good mathematical and analytical ability is required for all specialities. Students are encouraged to obtain suitable summer employment in the industry to supplement their studies.

Course Outline

Common first year
Mathematics, Mechanics, Engineering Drawing, Engineering Technology, Physics, Materials Science, Professional Development, Workshop, Laboratory Work, Computing and German.

Duration

Four years full-time.



Location

DIT Bolton Street.

Entry Requirements

The minimum educational qualifications required for entry are the Leaving Certificate in six subjects with Grade C3 or higher on higher level papers in Mathematics and a suitable Science subject (i.e. Physics, Chemistry, Physics and Chemistry, Applied Mathematics, Construction Studies or Engineering) and a pass in four other subjects which must include English or Irish.

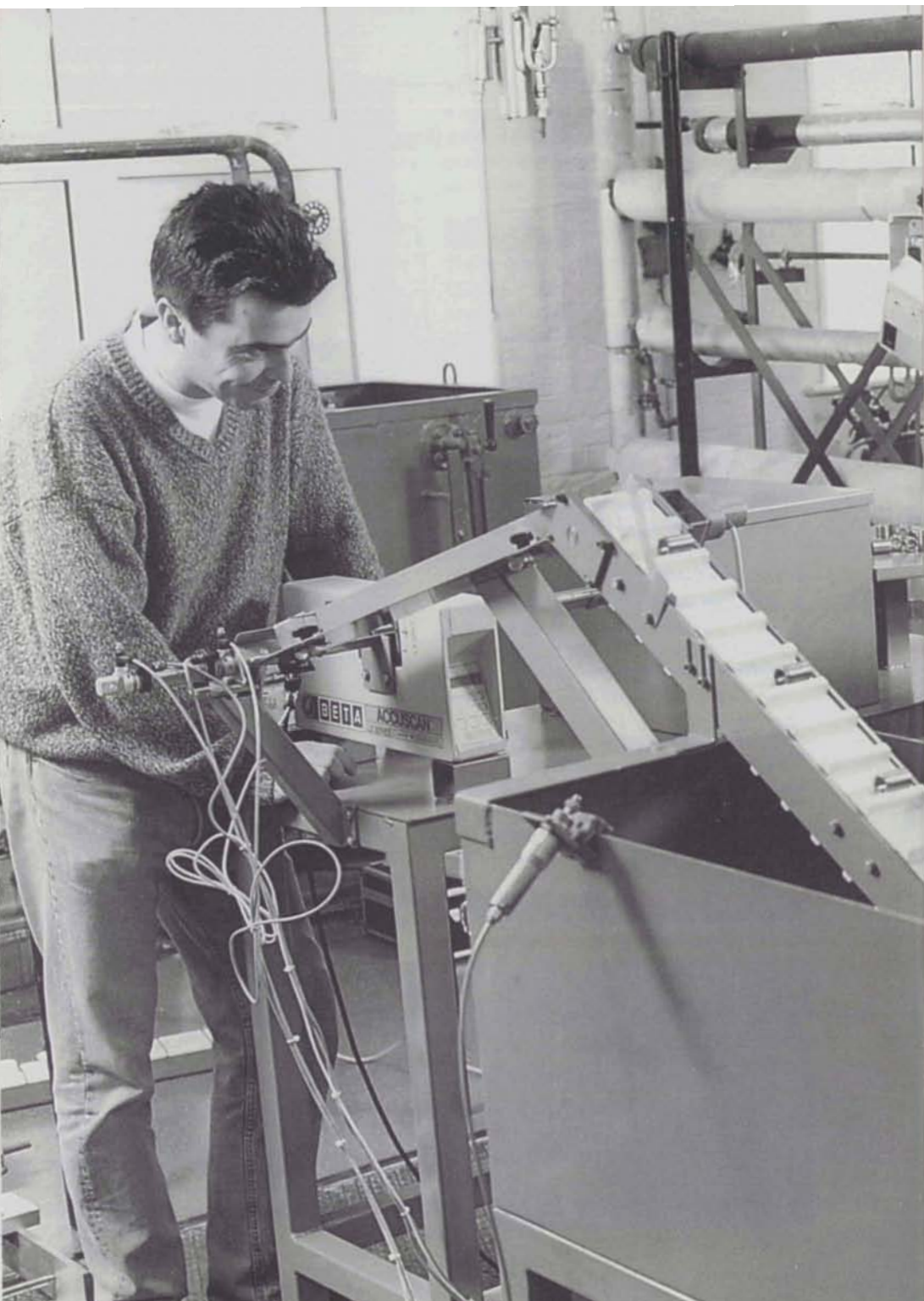
or
an equivalent qualification.

Award

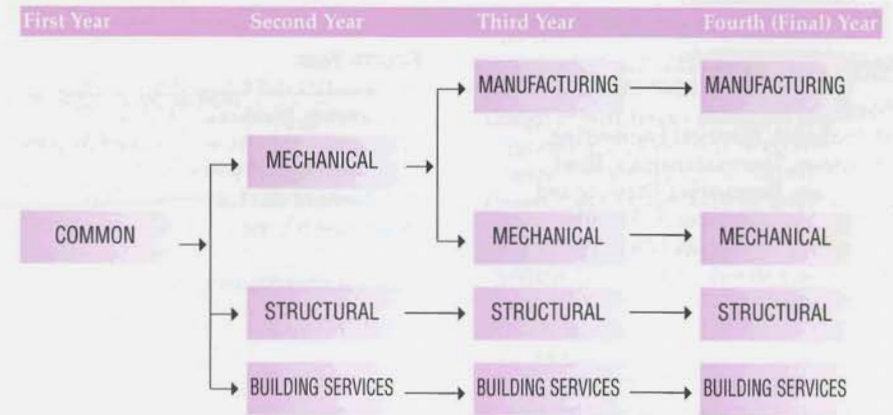
Graduates of this course are eligible for the following awards:

Diploma in Engineering
(Dublin Institute of Technology).
Bachelor of Science (Engineering)
(University of Dublin).

They are eligible for Membership of the Institution of Engineers of Ireland and are also accepted for entry to appropriate University post-graduate courses in Ireland and abroad.



Engineering Degree Options



FT121 Building Services Engineering

Course Outline

Second Year

Mathematics, Built Environment, Electrical Engineering, Fluids, Thermodynamics, Building Services Design, Professional Development, Workshop, Laboratory, German and Computing.

Third Year

Mathematics, Professional Development, Electrical Engineering, Control Engineering, Thermodynamics and Fluids, Building Services Design, Built Environment, Construction Technology, Project Work, Laboratory, German and Computing.

Fourth Year

Mathematics, Environmental Engineering, Building Services Design, Electrical Services, Building Services Plant, Professional Development, Major Project and Laboratory.

Career Opportunities

The qualification is appropriate to those wishing to make their careers in Building

Services Engineering which is concerned with the design and installation of the mechanical and electrical services necessary to ensure the efficient operation of modern buildings.

They form part of the team of professionals involved with construction projects and work closely with Architects, Quantity Surveyors and Structural Engineers.



FT122 Mechanical Engineering

Course Outline

Second Year

Mathematics, Electrical Engineering, Mechanics, Thermodynamics, Fluid Mechanics, Engineering Drawing and Design, Materials Science, Manufacturing Technology, Professional Development, Workshop, Laboratory Work, Computing and German.

At the end of FT122 second year students have the option of either taking Mechanical Engineering (FT122) or Manufacturing Engineering (FT123) in their third year.

Third Year

Mathematics and Computing, Mechanics of Materials, Mechanics of Machines, Control Engineering, Professional Development, Thermodynamics, Fluid Mechanics, Electrotechnology, Engineering Design, Laboratory Work and German.

Fourth Year

Mathematics and Computing, Control Engineering, Mechanics of Materials, Mechanics of Machines, Thermodynamics, Fluid Mechanics, Professional Development and Laboratory Work. A major project is also undertaken.

Career Opportunities

The qualification is appropriate to those wishing to specialise in either general Mechanical or Process Engineering. Mechanical Engineers are likely to be involved with the design and construction of all types of equipment ranging from individual items to complete factories or process plants. They may also be involved with the management of projects and firms and with the maintenance of plant and equipment.

FT123 Manufacturing Engineering

Course Outline

Third Year

Mathematics and Computing, Mechanics of Materials, Mechanics of Machines, Control Engineering, Professional Development, Manufacturing Technology, Materials Science, Industrial Engineering, Product Design, Laboratory Work and German.

Fourth Year

Mathematics and Computing, Control Engineering, Professional Development, Advanced Manufacturing Engineering, Quality and Reliability Engineering, Materials Science, Manufacturing Operations and Laboratory Work. A major project is also undertaken.

Career Opportunities

The qualification is appropriate to those wishing to specialise in Manufacturing Engineering. Manufacturing Engineers are likely to be involved with the manufacture of all types of products ranging from individual items to large batches using robotics and highly automated machines. They may also be involved with the management of projects and industries and with the operation and maintenance of plant and equipment.

FT124 Structural Engineering

Course Description

Second Year

Mathematics & Statistics II, Mechanics of Materials II, Surveying II, Fluid Mechanics II, Concrete & Construction, Technology II, Professional Development II, Structural Analysis II, Engineering Drawing & Design, Laboratory Work, Project (surveying), German, Computing and Summer work report.

Third Year

Mathematics and Computing III, Mechanics of Materials III, Professional Development III, Structural Analysis III, Design of Structures - Concrete, Design of Structures - Steel, Municipal Engineering III, Soil Mechanics III, Structural Design, Laboratory Work, Project (surveying), German, Computing and Summer work report.

Fourth Year

Mathematics and Computing IV, Mechanics of Materials IV, Professional

Development IV, Structural Analysis IV, Design of Structures - Elements, Highway Engineering IV, Design of Structures - Scheme, Laboratory Work, Individual Project, Computing, Summer work report.

Career Opportunities

The qualification is appropriate to those wishing to make their careers in Structural Engineering, which is a specialisation of Civil Engineering. Structural Engineers are concerned with the design and construction of buildings, bridges and special structures. They form part of the team of professionals involved with construction projects and in this way work closely with Architects, Quantity Surveyors and Building Service Engineers.

Graduates of all disciplines have the prospect of employment with contractors, research organisations, consultants, as well as state and semi-state agencies and local authorities. Some pursue post-graduate studies in Ireland or abroad directly after graduating or they may go abroad to work initially and in this way gain wider or specialised experience.

Further Information

Mr. Oliver McNulty,
Department of Engineering Technology,
Telephone: (01) 402 3701.



DT102 Architectural Technology DIPLOMA

Course Description

This is a three year full-time course leading to an Architectural Technology Diploma award. It aims to give the student a high standard of architectural and technical drawing and presentation, with a good knowledge of building construction, materials, methods and equipment. The course uses the project system extensively during which students are required to prepare working drawings, details, schedules, etc. for building work. Lectures in selected subjects such as Building Construction, Structures, Materials and Services are integrated with the projects as far as possible. During the summer vacation students are encouraged to obtain suitable practical work experience to complement their College training.

Building Construction, Graphics and Geometry, History and Theory of Architecture, Building Science and Materials, Computer Applications and Crafts.

Second Year:

Construction Projects, Surveying and Levelling, Structures, Building Services, Building Construction, Building Science and Materials, System Building and Prefabrication, Computer Applications and Crafts.

Third Year:

Construction Projects, Construction Technology, Building Materials, Structures, Building Contracts, Architectural Practice and Procedure Specifications, Computer Applications and Crafts.

Duration

Three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish.

or

an equivalent qualification.

Applicants may be required to undertake a suitability test and if the appropriate standard is achieved, they may be interviewed as part of the selection process. The suitability test is usually held at Eastertime and the interview in mid-May.

While a portfolio is not mandatory for the interview, it should be noted that most interviewees have a portfolio with them when being interviewed.

Course Outline

First Year:

Construction Projects, Surveying and Levelling, Mechanics and Structures,

Award

Graduates of this course are eligible for the following award:

Architectural Technology Diploma (Dublin Institute of Technology).

This Diploma is recognised for Technician Membership by the Royal Institute of the Architects of Ireland. It is also recognised for Associate Membership of the British Institute of Architectural Technicians (BIAT) in the U.K. and for full Membership subject to approved post-graduate experience.

Career Opportunities

The majority of graduate Architectural Technicians are employed in private professional architectural offices. Other areas of employment are the architectural and technical sections of Government Departments, Semi-State bodies, Local Authorities, and the building industry generally, with contractors and manufacturers.

A number choose to work overseas for a few years to gain useful and wider experience.

Further Information

Mr. James Horan
Department of Architecture and
Town Planning.
Telephone: (01) 402 3701.



DT114 Construction Technology

CERTIFICATE/DIPLOMA

Course Description

This is a three year full-time course leading to a Construction Certificate award after two years and a Diploma award on completion of an additional year. It is designed to meet the needs of the construction industry for technical staff who have a sound understanding of the principles of construction and construction materials, together with a good appreciation of management skills and the economics of the industry.

Course Outline

First Year:

Financial Management I, Building Materials and Environmental Science, Mathematics, Construction Technology I, Land Surveying I, Quantity Surveying I.

Second Year:

Construction Technology II, Quantity Surveying II, Financial Management II, Land Surveying II, Estimating, Contract Law and Economics.

Third Year:

Quantity Surveying III, Building Management, Economics, Law of Tort, Construction Technology III, Contract Administration.

Students are encouraged to gain industrial experience during the summer vacation.

Duration

Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish.
or
an equivalent qualification.

Third Year (Diploma Stage):

Applicants are expected to have reached a good standard at the end of the Certificate or Second Year, or possess an equivalent qualification acceptable to the Institute.

Award

Graduates of this course are eligible for the following awards:

Construction Technology Certificate
(Dublin Institute of Technology).

Construction Technology Diploma
(Dublin Institute of Technology).

Holders of the Diploma are entitled to Membership Part 1 of the Chartered Institute of Building following two years experience in building practice.

The Architects and Surveyors Institute admits holders of the Diploma to Licentiate Membership.

Career Opportunities

These awards are particularly suitable for those who wish to attain positions relating to production planning, purchasing, quality control, estimating, surveying, inspection and general administration in the Construction Industry. They also provide a suitable background for those who wish to make their careers in building in the public sector (i.e. Central and Local Government).

The majority of past graduates work in building contracting or sub-contracting firms as Estimators, Quantity Surveyors, Programmers, Planners, Contract Managers and Site Managers. Many have attained a high level in management where they are now executive directors or managing directors. Other graduates are working for consultants in various capacities.

Further Information

Mr. Tom Dunne,
Department of Surveying and Building
Technology,
Telephone: (01) 402 3701

DT115 Geo-Surveying

CERTIFICATE/DIPLOMA

Course Description

This is a full-time course in Geodetic Surveying, leading to the award of a Certificate after two years and a Diploma on completion of an additional year. During the first two years of the course, emphasis is placed on acquiring an applied technical ability over a broad range of subject areas. In the third year, the curriculum reaches a higher academic level and a significantly higher standard in project based submissions. Project work accounts for approximately 40% of the curriculum.

Course Outline

First Year

Survey Methods, Survey Instrumentation, Mathematics and Statistics, Cartography, Computer Applications, Science for Surveying, Construction Engineering, Complementary Studies, Project Work (Laboratory & Fieldwork).

Second Year (Certificate Stage)

Survey Methods, Survey Instrumentation, Mathematics & Statistics, Photogrammetry, Engineering & Mine Surveying, Science for Surveying, Computer Applications, Cartography, Survey Mathematics, Project Work (Laboratory & Fieldwork).

Third Year (Diploma Stage)

Engineering & Mine Surveying, Geodesy, Mathematics & Statistics, Digital Mapping, Geographic Information Systems (GIS), Law, Project Work (Seminars, Group Projects & Laboratory).

Duration

Two/three years full-time.

Location

DIT Bolton Street





Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and either English or Irish

or

an equivalent qualification.

Applicants who hold a recognised third level qualification in another discipline and mature applicants (>23 years) are also considered for entry to the course by interview.

Award

Graduates of this course are eligible for the following award:

Certificate/Diploma in Geo-Surveying
(Dublin Institute of Technology.)

Diplomates are also eligible for full membership of the Irish Institution of Surveyors (IIS) after two years approved work experience. In addition, diplomates may also gain exemption in certain subjects of the final examinations of the Royal Institution of Chartered Surveyors (RICS).

In recent years, some graduates have continued their academic training in other EU universities by: joining the final year of Honours Degree programmes; enrolling on one-year Post-Graduate Diploma courses; enrolling on Masters programmes.

Career Opportunities

The work of a Geodetic Surveyor is highly technical and interlinked with Civil Engineering, Site Development, Construction, Environmental Management and Mining.

Activities can include: computer-aided production of large and small scale maps; setting-out the positions of new motorways, complex construction schemes or underground mines; monitoring buildings and ground for subsidence; analysis of spatially referenced data within a GIS. The most advanced computer technology and the latest electronic and

satellite based surveying equipment are used extensively at all levels of training.

Applicants should ideally have a strong preference for scientific and technical work and also a liking for the outdoor life. An good aptitude for mathematics is desirable with a minimum grade of OB3 in the Leaving Certificate strongly recommended.

Further Information

Mr. Tom Dunne,
Department of Surveying and Building
Technology.
Telephone: (01) 402 3701



DT116

Auctioneering Valuations and Estate Agency

CERTIFICATE/DIPLOMA

Course Description

This course has been developed to prepare students for Certificate awards in Auctioneering and Estate Agency after two years of full-time study. Those who achieve the required standard in the Certificate may proceed to the Diploma stage, for which they are required to undertake a prescribed course of study and course assignments.

Course Outline

First Year:

Valuations, Quantitative Methods, Economics, Law, Marketing, Land Surveying, Building Construction, Financial Management.

Second Year:

Valuations, Quantitative Methods, Property Management, Professional Practice and Procedure, Building Construction, Law, Planning, Financial Management, Taxation and Land Use.

Third Year:

Valuations, Building Construction, Urban Economics, Property Marketing, Art, Architecture and Design, Marketing and European Investment Markets and a Feasibility Study.

Duration

Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish.

or
an equivalent qualification.

Award

Students who successfully complete the course are eligible for the following awards:

Certificate in Auctioneering Valuations and Estate Agency (Dublin Institute of Technology) after two years and
Diploma in Auctioneering, Valuations and Estate Agency (Dublin Institute of Technology) after a further year.

The Diploma course meets the academic requirements of the Irish Auctioneers and Valuers Institute (IAVI) and is recognised by the Institute of Professional Auctioneers and Valuers (IPAV). These are professional bodies in the field of Auctioneering and Estate Agency in the Republic of Ireland. Students with the Diploma may pursue their studies to degree level by applying for entry to the Property Economics Degree course (FT110) or by obtaining advanced entry into related degree courses in the UK. This course provides a route to obtaining membership of The Society of Chartered Surveyors and the Royal Institution of Chartered Surveyors in the U.K.



Career Opportunities

The course is suitable for those wishing to prepare for a career as an auctioneer, estate agent and property valuer and aims to give an understanding of the legal, economic and physical framework within which the property market functions. It also aims to give the basic skills needed to practice as an auctioneer.

Auctioneers and Estate Agents are involved in the sales, lettings, management and valuation of property. Generally, they work either in partnerships or practice on their own account.

The career is suitable for those with an interest in people and in the built environment. Other desirable character

traits are an outgoing nature together with an ability to get on with people.

Further Information

Mr. Tom Dunne,
Department of Surveying and Building
Technology,
Telephone: (01) 402 3701

DT120 Preliminary Engineering

Course Description

This is a one year full-time course the main purpose of which is to prepare students for entry into the first year of the Engineering Diploma/Degree Course (FT125). It is suitable for students who have not satisfied the specified entry requirements in terms of Higher Level Mathematics or an appropriate Science subject.

Course Outline

The subjects studied are: Mathematics, Mechanics, Engineering Technology, Physics, Chemistry, Engineering Drawing, Communications and Liberal Studies.



Examination and Other Requirements

Students are required to:

- take College examinations at the end of each session.
- present laboratory notebooks and project work reports to the satisfaction of the Department.

Duration

One year full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish
or
an equivalent qualification.

In practice the typical candidate gaining admission will probably have a number of Honour Grades.

Award

College Examination.

Career Opportunities

Students who reach the required standard in the College examination may qualify for admission to the first year of course FT125 without further assessment and are notified of this in July. They do not have to apply through the CAO/CAS system.

Further Information

Mr. Oliver McNulty,
Department of Engineering Technology,
Telephone: (01) 402 3701

DT126 Civil Engineering Technician CERTIFICATE/DIPLOMA

Course Description

This course prepares students for a Technician Certificate award in Civil Engineering at the end of two years and for a Technician Diploma award at the end of a further year of study. The students attend the College from September until the end of May each year and they are encouraged to spend the summer months gaining practical experience in approved Civil or Structural Engineering design offices, construction sites, etc. The course requires an analytical ability to understand and solve technical problems.

Course Outline

First Year:

Mathematics, Engineering Science, Mechanics, Drawing, Building Technology, Surveying, Complementary Studies, German and Computing.

Second Year: (Certificate Stage)

Structural Design and Detailing, Mathematics, Concrete, Geology and Soil Mechanics, Surveying, Construction Services and Supplies, Planning and Administration, Complementary Studies, Laboratory Work, German and Computing.

Third Year: (Diploma Stage) – Structural Option.

Theory of Structures, Structural Design, Municipal Engineering, Structural Design (Steel/Concrete), Engineering, Mathematics, Computing, Management Studies and a Project.

Third Year (Diploma Stage) – Environmental Option.

Mathematics, Management Studies, Road Engineering, Sanitary Services, Waste Management, Environmental Impact

Assessment, Environmental Studies (environmental economics, ecology, air and water pollution), Environmental Law, Planning and Building Regulations and a Project.

Examination and Other Requirements

(a) Students take a College examination at the end of each session which is moderated by the Dublin Institute of Technology.

(b) They are required to submit reports on their project and laboratory work.



Duration

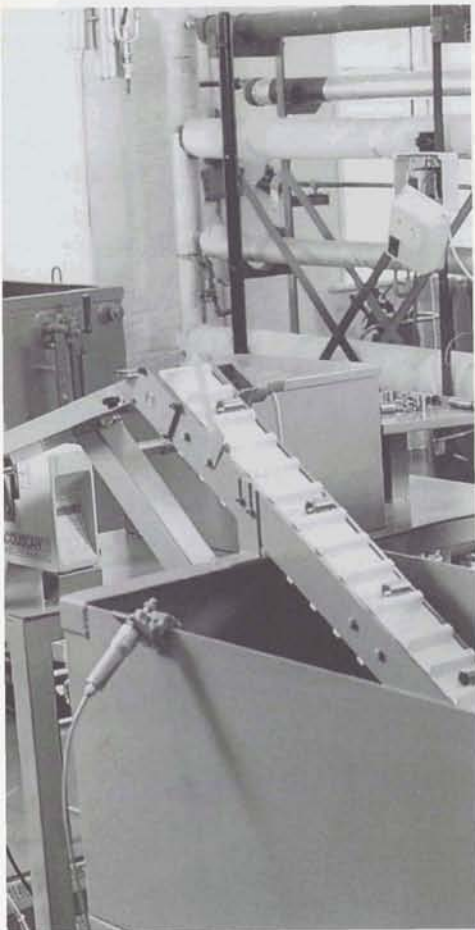
Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish
or
an equivalent qualification.



Engineering (Dublin Institute of Technology).

Recognition by Professional Bodies:

Those who have successfully completed the Certificate Stage of this course meet the academic requirements for Technician status with the Institution of Engineers of Ireland, while those who have completed the Diploma stage meet the Technician Engineer level and can qualify for the Associateship grade of membership after they have completed a suitable period of practical training.

Career Opportunities

The qualification is appropriate to those wishing to enter engineering as a Technician specialising in Civil Engineering. Civil Engineering Technicians may be involved in the design and construction of buildings, bridges, roads, water supply, waste disposal, sanitary services etc. Graduates have prospects of employment in contracting firms, engineering design offices, state and semi-state bodies, and research organisations engaged in Civil Engineering work.

Further Information

Mr. Oliver McNulty,
Department of Engineering Technology,
Telephone: (01) 402 3701

Third Year (Diploma Stage):

Students are expected to reach Distinction or Merit level in the Certificate Examination at the end of the second year to qualify for admission to the third year of the course leading to the Diploma award. Students who hold a Pass certificate and at least one year of appropriate post-Certificate experience may also be considered.

Award

Graduates of this course are eligible for the following awards:
Technician Certificate/Diploma in Civil

DT127 Building Services Engineering Technician CERTIFICATE/DIPLOMA

Course Description

This course prepares students for a Technician Certificate award in Building Services Engineering at the end of two years and for a Technician Diploma award at the end of a further year of study. The students attend from September until the end of May each year and they are encouraged to spend the summer months gaining practical experience in Heating, Ventilating and Air Conditioning in Consulting Engineers' offices and related industry. The course requires an analytical ability to understand and solve technical problems.

Course Outline

First Year:

Mathematics, Engineering Science, Mechanics, Drawing, Computing, Instrumentation and Materials, Construction Technology and Services, Complementary Studies, and German.

Second Year:

Mathematics, Thermal and Fluid Plant, Electrotechnology and Industrial Instrumentation, Complementary Studies, Environmental Plant Design, Lighting, Acoustics and Water Services, Environmental Engineering, Laboratory Work, Computing, German and a Project.

Third Year:

Mathematics, Management Studies, Electrotechnology and Controls, Environmental Engineering, Computing, Project Work, Air Conditioning and Refrigeration, Heating and Combustion, Lighting, Acoustics and Water Services.

Examination and Other Requirements

(a) Students take a College examination at the end of each session which is moderated by the Dublin Institute of Technology.

(b) They are required to submit reports on their project and laboratory work.

Duration

Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish *or* an equivalent qualification.

Third Year (Diploma Stage):

Students are expected to reach Distinction or Merit level in the Certificate Examination at the end of the second year to qualify for admission to the third year of the course leading to the Diploma award. Students who hold a Pass certificate and at least one year of appropriate post-Certificate experience may also be considered.

Award

Graduates of this course are eligible for the following awards:

Technician Certificate/Diploma in Building Services Engineering (Dublin Institute of Technology).

Recognition by Professional Bodies:

Those who have successfully completed the Certificate Stage of this course meet the academic requirements for Technician status with the Institution of Engineers of Ireland, while those who have completed the Diploma stage meet the Technician Engineer level and can qualify for the Associateship grade of membership after they have completed a suitable period of practical training.

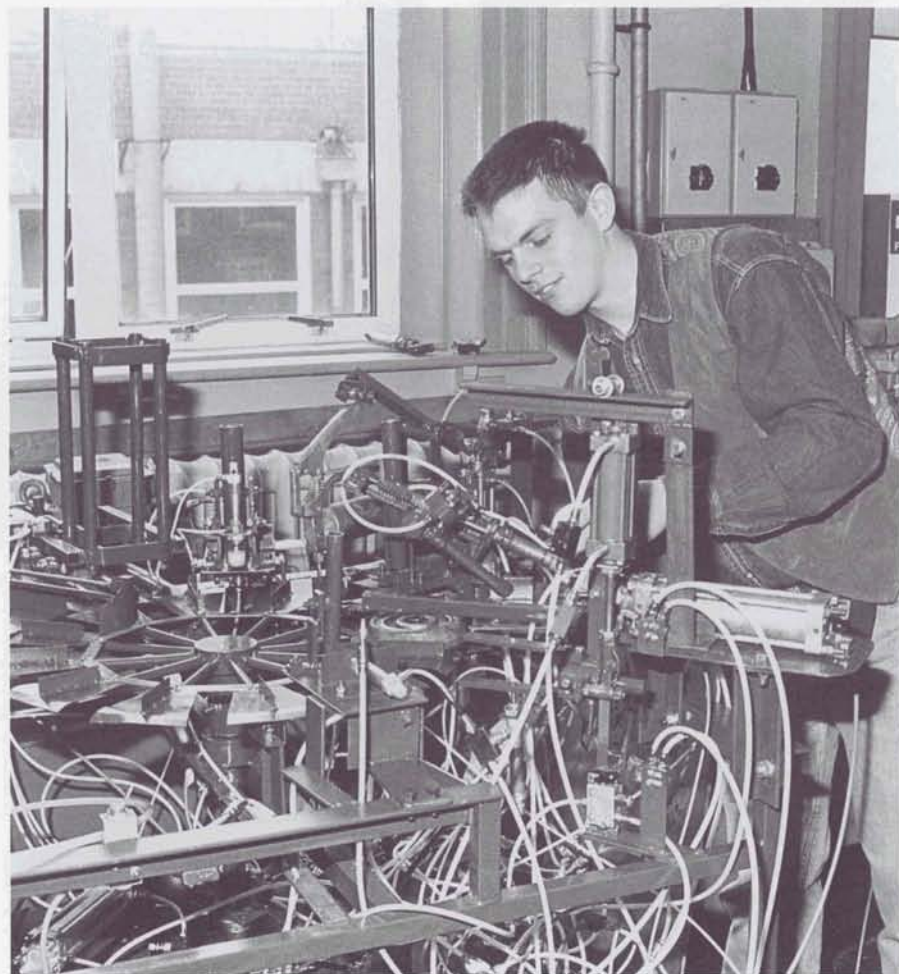
Career Opportunities

The qualification is appropriate to those wishing to enter engineering as a Technician specialising in Building Services Engineering. Building Services Engineers are involved with the design and installation of all types of building services such as heating, ventilation, air conditioning, water and electrical services. They are also involved with the drafting, planning and management of projects and the maintenance of plant and equipment.

Graduates have good prospects of employment with mechanical services contractors and in design offices. The range of jobs available includes engineering design, maintenance engineering, consulting engineering and technical sales.

Further Information

Mr. Oliver McNulty,
Department of Engineering Technology,
Telephone: (01) 402 3701.



DT128 Mechanical Engineering Technician CERTIFICATE/DIPLOMA

Course Description

This course prepares students for a Technician Certificate award in Mechanical Engineering at the end of two years and for a Technician Diploma award at the end of a further year of study. The students attend from September until the end of May each year and they are encouraged to spend the summer months gaining practical experience in industry, design offices etc. The course requires an analytical ability to understand and solve technical problems.

Course Outline

First Year:

Mathematics, Engineering Science, Mechanics, Drawing, Workshop Technology, Instrumentation and Materials, Computing, Complementary Studies and German.

Second Year:

Mathematics, Thermal and Fluid Plant, Electrotechnology and Electronics, Complementary Studies, Mechanics, Design and Materials, Production Technology, Computing, Laboratory Work and German.

Third Year: (Common Subjects) –

Mathematics, Electrotechnology and Electronics, Management Studies and Computing.

Manufacturing Option:

Manufacturing Technology I and II, Manufacturing Design, Mechanics and Project Work.

Process Option:

Materials Science, Process Plant Technology I and II, Process Plant Design and Management, Project Work.

Examination and Other Requirements:

(a) Students take a College examination at the end of each session which is moderated by the Dublin Institute of Technology.



(b) They are required to submit reports on their project and laboratory work.

Duration

Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish

or

an equivalent qualification.

Third Year (Diploma Stage):

Students are expected to reach Distinction or Merit level in the Certificate Examination at the end of the second year to qualify for admission to the third year of the course leading to the Diploma award. Students

who hold a Pass certificate and at least one year of appropriate post-Certificate experience may also be considered. The Diploma stage is specialised. At present two options are offered – Manufacturing Technology or Process Plant.

Award

Graduates of this course are eligible for the following awards:
Technician Certificate/Diploma in Mechanical Engineering (Dublin Institute of Technology).

Recognition by Professional Bodies:

Those who have successfully completed the Certificate Stage of this course meet the academic requirements for Technician status with the Institution of Engineers of Ireland, while those who have completed the Diploma stage meet the Technician Engineer level and can qualify for the Associateship grade of membership after they have completed a suitable period of practical training.



Career Opportunities

The qualification is appropriate to those wishing to enter engineering as a Technician specialising in Mechanical and Manufacturing Engineering. Mechanical Engineers and Technicians are concerned with the design, manufacture and installation of all types of equipment ranging from individual items to complete factories or process plants. They may also be involved in operation design, detail planning, management of projects and with plant maintenance.

Graduates have prospects of employment in manufacturing or processing firms, research organisations, as well as state and semi-state agencies.

Further Information

Mr. Oliver McNulty,
Department of Engineering Technology,
Telephone: (01) 402 3701

DT130 Printing Technician/Printing Management CERTIFICATE/DIPLOMA

Course Description

This course is designed to prepare students for technical and managerial positions in the Printing and Graphic communication industries. At the end of two years full-time study the Certificate in Printing Technology is awarded to successful students. The Diploma in Printing Management is awarded following a successful third year of full-time study.

Course Outline

First Year:

Design, Origination Technology, Desk Top Publishing, Printing Technology, Print Finishing Technology, Administration, Communications, Quality Management, Applied Science, Mathematics and Computer Applications.

Second Year:

Design, Origination Technology, Printing Technology, Print Finishing Technology, Business Organisation, Financial Administration, Production Planning, Estimating, Communications, Quality Management, Applied Science, Mathematics and Computer Applications.

Third Year:

Management Accountancy, Management Science, Quality Management, Production and Operations Management, Estimating, Marketing, Computer Management, Information Software Systems for Printing. In addition each student prepares a major dissertation as part of the final examination.

Duration

Two/three years full-time.

Location

DIT Bolton Street.



Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish
or
an equivalent qualification.

Third Year (Diploma Stage)

Applicants are normally expected to have reached Distinction or Merit level in the Certificate examination at the end of the Second year in order to qualify for the third year. However, those holding a Pass Certificate with at least one year of appropriate post-certificate experience will be considered.

Award

Graduates of the course are eligible for the following awards:

- Technician Certificate in Printing Technology** (Dublin Institute of Technology).
- Diploma in Printing Management** (Dublin Institute of Technology).

Career Opportunities

The majority of graduates to date have found positions in printing, packaging, computer manual, publishing or advertising firms in the following areas: Estimating, Production Planning, Cost Accountancy, Marketing, Purchasing, Quality Management, Customer Services and Technical Liaison.

Further Information

Mr. Brian Kennedy,
Department of Printing and Graphic
Communications,
Telephone: (01) 402 3701



DT131 Graphic Reproduction Technology DIPLOMA

Course Description

This one year course in Graphic Reproduction Technology has been formulated in response to the needs of the graphic industries for creative personnel with experience of the production and finishing processes in the graphic arts.

Students following this course design and process a wide range of items for print production. Extensive hands-on experience in the various laboratories is a feature of the course and from the skills acquired students are expected to produce finished products from their own designs.

Course Outline

Graphic Design, Typographic Design, Desk Top Publishing, Origination Technology, Planning, Graphic Reproduction, Printing Technology, Colour Reproduction, Design Administration and Project work.

Duration

One year full-time.

Location

DIT Bolton Street.

Entry Requirements

National Diploma in Design or National Certificate in Design with Distinction or Merit or National Certificate in Design plus one year's relevant experience or equivalent qualifications.

Applicants are required to present a portfolio of recent work at an interview as part of the selection process.

Award

Graduates of the course are eligible for the following award:
Diploma in Graphic Reproduction Technology (Dublin Institute of Technology).

Career Opportunities

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

Further Information

Mr. Brian Kennedy,
Department of Printing and Graphic
Communications,
Telephone: (01) 402 3701



DT150 Transport Engineering Technician/ Motor Industry Management CERTIFICATE/DIPLOMA

Course Description

This full-time course is designed to give students a good overall knowledge of the Motor Industry. All aspects of the industry are covered with emphasis on the technical side for the first two years and the managerial/administrative side in the final year. The course leads to the award of a Transport Engineering Technician Certificate at the end of two years study and to the award of the Diploma in Motor Industry Management at the end of a further year's study.

Course Outline

First Year:

Mathematics, Automobile Engineering,

Electricity/Electronics, Heat Engines, Applied Mechanics, Workshop Technology, Engineering Drawing, Complementary and Management Studies and Computer Studies.

Second Year:

Mathematics, Automobile Engineering, Automobile Electricity/Electronics, Engineering Science, Heat Engines, Applied Mechanics, Workshop Technology, Engineering Drawing, Complementary and Management Studies, Computer Studies.

Third Year:

Mathematics, Automobile Engineering, Transport Studies, Motor Industry Management, Motor Industry Law, Motor Industry Administration and Organisation, Communications and Industrial Sociology,



Management Project I, Computer Studies, Financial and Commercial Aspects of the Transport Industry.

Examination and Other Requirements:

Progress to successive years of the course will be on the basis of the students' work during the session, and success in the College sessional examinations. Only students who successfully complete the Certificate stage and who display an aptitude for management will be accepted for the Diploma stage. A requirement of the course is that students spend 2-3 months of each summer vacation in suitable employment in the Motor Industry gaining appropriate experience. Where students are unable to arrange this employment, the Institute of the Motor Industry, the Society of the Irish Motor Industry, the College and the Student Society of Motor Industry Management may assist in their placement.

Duration

Two/three years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish
or
an equivalent qualification.

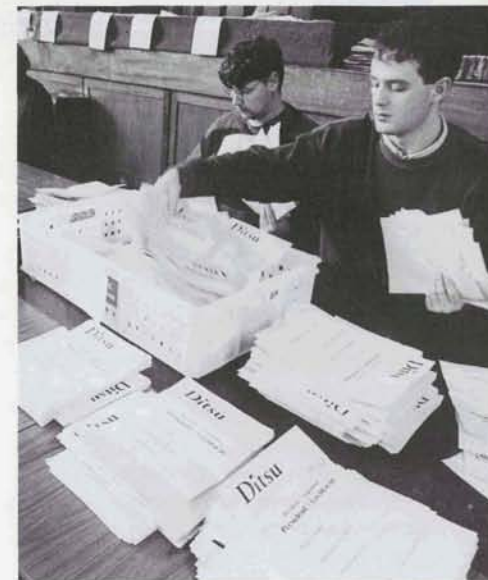
Award

Graduates of this course are eligible for the following awards:

Technician Certificate in Transport Engineering (Dublin Institute of Technology).

Diploma in Motor Industry Management (Dublin Institute of Technology).

Graduates holding the Diploma are eligible for full exemptions from the



Certificate of Management examination requirement of the Institute of the Motor Industry and for subject exemptions from the examinations of the Institute of Road Transport Engineers.

Career Opportunities

There are many and varied career opportunities in the automobile and transport industries for those completing these courses including the following: Vehicle Body Repair Supervisor, Garage Service Department Supervisor, Reception Engineer, Vehicle Salesperson, Training Advisor, Vehicle Finance Company Representative. Generally graduates progress to more senior management positions in the Retail Motor Industry or Transport Industry.

Further Information

Mr. Dominick Tuite,
Department of Transport Engineering,
Telephone: (01) 402 3701

DT171

Buildings Maintenance Technician CERTIFICATE

Course Description

This two year full-time course has been developed to prepare students for a Technician Certificate award in Buildings Maintenance.

The programme extends over the full academic session from September to June. The course has a good balance between the theoretical and practical aspects of the building industry and participants are given an appreciation of a range of construction skills. Students are encouraged to spend the summer vacation gaining practical work experience in the areas of Building Maintenance and Inspection, Building Supplies, Technical Sales and related activities.

Course Outline

First Year:

Construction Technology I, Building Science I, Building Evaluation and Inspection, Construction Drawing, Building Services, Mathematics, Computer Studies, Construction and Maintenance Skills, Quantities and Estimating, and Complementary Studies.

Second Year:

Construction Technology II, Building Science II, Quantities and Estimating, Building Services, Mathematics, Computer Studies, Land Surveying, Communications and Business Administration, Construction and Maintenance Skills.

Duration

Two years full-time.

Location

DIT Bolton Street.

Entry Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or Irish

or

an equivalent qualification.

Award

Students who successfully complete the course are eligible for the following award: **Buildings Maintenance Technician Certificate** (Dublin Institute of Technology).

Career Opportunities

The Buildings Maintenance Technician may find employment in a variety of areas such as Buildings Maintenance, Maintenance Contract Administration, Building Inspection, Building Supplies and DIY Sales, Technical Sales, Trainee Estimating, Purchasing Officer. There may also be opportunities in this area for self employment.

Further Information

Mr. Joseph Bernie,
Department of Construction Trades,
Telephone: (01) 402 3701



**DUBLIN INSTITUTE
of TECHNOLOGY**

Institiúid Teicneolaíochta Bhaile Átha Cliath

All of the DIT locations are adjacent to the centre of Dublin, with three centres on each side of the River Liffey.

Hence DIT students have ready access to the city's main cultural, social and commercial amenities, some of which are depicted in the photographs on this cover.

These amenities add important dimensions to the experiences of DIT students and are shared with others who are part of Dublin's very large student population.

The information in this booklet is intended as a guide to persons seeking admission to the Institute and shall not be deemed to constitute a contract between the Dublin Institute of Technology and an applicant or any third party.

The Institute reserves the right to amend, change or delete any programme of study or academic regulation at any time having given due consideration to students who are already enrolled.

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.

Every effort is made to ensure the accuracy of the information in this publication. However, the Institute reserves the right to alter or delete any of the information included at any time and it shall not be bound by any errors or omissions and cannot accept liability in respect thereof.

Dublin Institute of Technology

Admissions Office

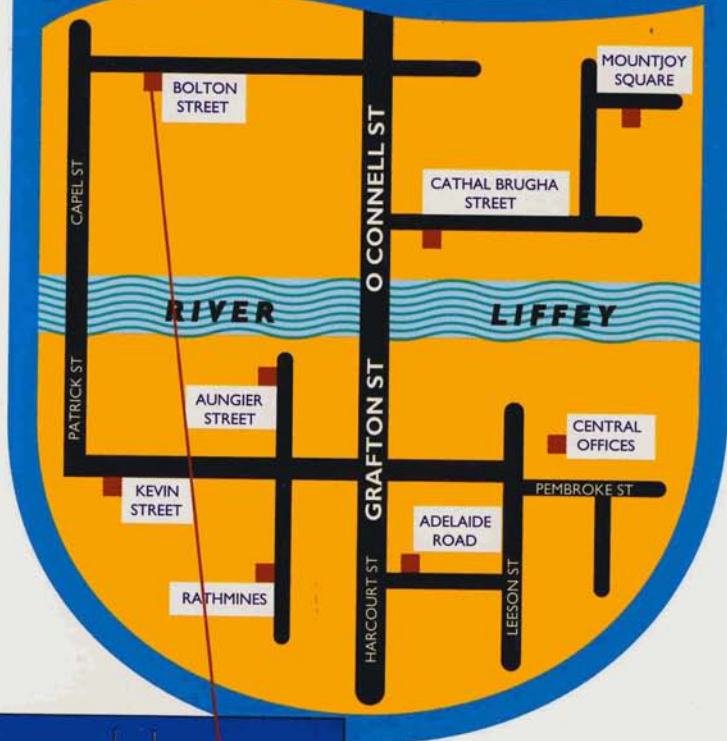
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