1996

Full-time Courses, Entry 1996

City of Dublin Vocational Education Committee

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List of Full-Time Courses
You may be reading this booklet for various reasons. 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 fulfillment 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.

Dr. Brendan Goldsmith
President.

June 1995
Information

DIT Awards

The colleges of DIT, under the authority of the City of Dublin Vocational Education Committee (CDVEC), under which they operated until 1992, begun 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 its legislation.

University of Dublin Degree Awards

Degree awards of the University became available to graduates of certain courses conducted by the DIT Colleges 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 1996.

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 below:

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Suitability Test</th>
<th>Portfolio Assessment</th>
<th>Audition</th>
<th>Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT101</td>
<td>Architecture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FT601</td>
<td>Music Performance</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT102</td>
<td>Architectural Technician</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT511</td>
<td>Environmental Design</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT512</td>
<td>Visual Communication Design</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT515</td>
<td>Certificate in Design (Display)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT516</td>
<td>Certificate in Design (Presentation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT517</td>
<td>Certificate in Design (Visual Media)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT518</td>
<td>Fine Art</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT602</td>
<td>Music Teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT603</td>
<td>Speech and Drama Studies</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitability Test</td>
<td>100</td>
</tr>
<tr>
<td>Interview</td>
<td>100</td>
</tr>
<tr>
<td>Portfolio Assessment + Interview</td>
<td>600</td>
</tr>
<tr>
<td>Audition + Interview + Written Test (FT601, DT602 and DT603 only)</td>
<td>100</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Higher Level</th>
<th>Ordinary Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>100</td>
<td>60</td>
</tr>
<tr>
<td>A2</td>
<td>90</td>
<td>50</td>
</tr>
<tr>
<td>B1</td>
<td>85</td>
<td>45</td>
</tr>
<tr>
<td>B2</td>
<td>80</td>
<td>40</td>
</tr>
<tr>
<td>B3</td>
<td>75</td>
<td>35</td>
</tr>
<tr>
<td>C1</td>
<td>70</td>
<td>30</td>
</tr>
<tr>
<td>C2</td>
<td>65</td>
<td>25</td>
</tr>
<tr>
<td>C3</td>
<td>60</td>
<td>20</td>
</tr>
<tr>
<td>D1</td>
<td>55</td>
<td>15</td>
</tr>
<tr>
<td>D2</td>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td>D3</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>A</td>
<td>95</td>
<td>55</td>
</tr>
<tr>
<td>B</td>
<td>80</td>
<td>40</td>
</tr>
<tr>
<td>C</td>
<td>65</td>
<td>25</td>
</tr>
<tr>
<td>D</td>
<td>50</td>
<td>10</td>
</tr>
</tbody>
</table>

### 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 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 1995 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.

#### National Certificate/Diploma Holders

Applications for entry into the first year of DIT courses should be made using the standard CAO/CAS application form.

Applicants should request the college where they have studied for these awards to forward in confidence to the DIT Admissions Office a full transcript of results including subjects studied and grades obtained. The application will not be processed until this has been received.

Only candidates with a very high level of attainment have prospects of gaining admission because of the limited number of places available.

### 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.
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.
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 are eligible to 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 are eligible to 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 may cover tuition fees where appropriate and may also provide for payment of a monthly maintenance allowance to 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 1996 for all DIT Certificate/Diploma courses except DT120, DT272, DT508, DT511 and DT512.

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 appropriate DIT College 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 Colleges 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. Your College I.D. card is also 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 library will provide study places, text books, monographs, course materials, reference materials and journals, both to support the courses offered and to encourage research. Material may be available in many formats; videos, books, slides, microfilms, CD-ROMs, tapes, maps and music are some that are available.

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 Colleges and Centres of the DIT. This service covers both academic and administrative requirements at staff and student levels. The colleges and 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, Planet and Telecom Éireann’s EIRPAC service providing a full range of worldwide 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 options include going on to further study, seeking employment or taking a year out. The Careers and Appointments Service helps students with these decisions through individual and group guidance. Information will be available through the computer network on higher education courses, employers of graduates 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 Colleges 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 colleges.

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 college.

**DIT Chaplaincy**

The chaplains form an integral part of life in the Colleges. Their work is primarily one of pastoral care. The Chaplaincy, which is ecumenical, is directed to all who work in the Colleges. 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 easily contacted at their rooms in each college. You are welcome to call at any time.

**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 colleges, 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"), containing 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.
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 college, or in the doctor's own surgery.

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.

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.

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.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Duration (Years)</th>
<th>Minimum Entry Points '94</th>
<th>DIT Award</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FT101</td>
<td>Architectural Technician</td>
<td>5</td>
<td>520*</td>
<td>Diploma</td>
<td>20</td>
</tr>
<tr>
<td>FT110</td>
<td>Property Economics</td>
<td>4</td>
<td>400</td>
<td>Diploma</td>
<td>23</td>
</tr>
<tr>
<td>FT111</td>
<td>Construction Economics</td>
<td>4</td>
<td>380</td>
<td>Diploma</td>
<td>25</td>
</tr>
<tr>
<td>FT125</td>
<td>Engineering (Mechanical, Building Services, Manufacturing and Structural options)</td>
<td>4</td>
<td>390</td>
<td>Diploma</td>
<td>27</td>
</tr>
<tr>
<td>DIP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT102</td>
<td>Architectural Technician</td>
<td>3</td>
<td>432*</td>
<td>Diploma</td>
<td>32</td>
</tr>
<tr>
<td>DT114</td>
<td>Construction Technology</td>
<td>2/3</td>
<td>320</td>
<td>Cert/Dip</td>
<td>34</td>
</tr>
<tr>
<td>DT115</td>
<td>Geo-Surveying</td>
<td>2/3</td>
<td>340</td>
<td>Cert/Dip</td>
<td>35</td>
</tr>
<tr>
<td>DT116</td>
<td>Auctioneering, Valuations and Estate Agency</td>
<td>2/3</td>
<td>350</td>
<td>Cert/Dip</td>
<td>38</td>
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<tr>
<td>DT120</td>
<td>Preliminary Engineering</td>
<td>1</td>
<td>350</td>
<td>–</td>
<td>40</td>
</tr>
<tr>
<td>DT126</td>
<td>Civil Engineering Technician</td>
<td>2/3</td>
<td>350</td>
<td>Cert/Dip</td>
<td>41</td>
</tr>
<tr>
<td>DT127</td>
<td>Building Services Engineering Technician</td>
<td>2/3</td>
<td>275</td>
<td>Cert/Dip</td>
<td>43</td>
</tr>
<tr>
<td>DT128</td>
<td>Mechanical Engineering Technician</td>
<td>2/3</td>
<td>325</td>
<td>Cert/Dip</td>
<td>45</td>
</tr>
<tr>
<td>DT130</td>
<td>Printing Technician/Printing Management</td>
<td>2/3</td>
<td>320</td>
<td>Cert/Dip</td>
<td>47</td>
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<tr>
<td>DT150</td>
<td>Transport Engineering Technician/Motor Industry Management</td>
<td>2/3</td>
<td>240</td>
<td>Cert/Dip</td>
<td>50</td>
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<tr>
<td>DT171</td>
<td>Buildings Maintenance Technician</td>
<td>2</td>
<td>220</td>
<td>Certificate</td>
<td>52</td>
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<tr>
<td>POST-GRADUATE OR OTHER POST THIRD-LEVEL*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DT131</td>
<td>Graphic Reproduction Technology</td>
<td>1</td>
<td>N/A</td>
<td>Diploma</td>
<td>49</td>
</tr>
</tbody>
</table>

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

* Applications are not accepted from school-leavers for this course.

* Includes score for suitability test and interview assessment.

The Minimum Entry Points for 1995 were not available at the time of publication but will be available in September 1995, 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

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

Third Year

Fourth Year

Fifth Year

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 in the Higher Level course, 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.

Award
Graduates of this course are eligible for the following awards:
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 Diploma in Architecture of the College is a qualification which is recognised for the profession of architect in Member States of the European Union.
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 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

Second Year
Law, Construction Technology, Property Management and Marketing, Quantitative Methods, 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 in higher level papers or equivalent qualifications. The six subjects passed must include Mathematics and English or Irish.
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.

**Further Information**

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

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**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**


**Second Year**


**Third Year**


**Fourth Year**

Building Economics, Construction

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**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 in 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 Membership.
professional experience before admitting them to membership. Graduates are also accepted for entry to appropriate postgraduate 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.

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**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**

Grades 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

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FT121 Building Services Engineering

Course Outline

Second Year

Third Year

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**

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**

**Fourth Year**

**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.

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**FT123 Manufacturing Engineering**

**Course Outline**

**Third Year**

**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.

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**FT124 Structural Engineering**

**Course Outline**

**Second Year**

**Third Year**

**Fourth Year**

**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 Technician
DIPLOMA

Course Description
This is a three year full-time course leading to an Architectural Technician 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.

Course Outline
First Year
Construction Projects, Surveying and

Second Year:

Third Year

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 Easter time 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.

Award
Graduates of this course are eligible for the following award:
Architectural Technician Diploma (Dublin Institute of Technology). This Diploma is recognised for Technician Membership by the Incorporated Association of 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 postgraduate 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

Third Year

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.

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

DT115 Geo-Surveying
CERTIFICATE/DIPLOMA

Course Description
This full-time course prepares students for a Certificate award in Geo-Surveying after two years and a Diploma award on completion of an additional year. There is a good balance between the theoretical and practical aspects of Geo-Surveying thereby ensuring a sound undertaking of the applications of its technology. Project work is a significant feature of the course and it is an important element in the overall assessment.

Course Outline
First Year

Second Year (Certificate Stage)

Third Year (Diploma Stage)

Field Camps are conducted at the end of both the First Year and Second Year. In addition, students are encouraged to gain practical experience during the summer vacation.

Duration
Two/Three years full-time.

Location
DIT Bolton Street.
generally the work involves the preparation of a plan for a development or the setting out of a design on the ground for construction. The Geo-Surveyor should have a preference for an outdoor life and an ability to co-operate and work in a team with other specialists. Sophisticated optical and electronic instruments are commonly used in conjunction with computers and microprocessors in Geo-Surveying and some specialise in the use of this equipment.

**Further Information**

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

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**Entry Requirements**

Leaving Certificate with passes in five subjects including Mathematics and English or Irish or
An equivalent qualification.
A modern European language is desirable to facilitate subsequent movement to other EU countries for further study, work experience or employment.

**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 admission into the Third Year. However, those holding a Pass Certificate and at least one year of appropriate post-Certificate experience will be considered for admission to the third year.

**Award**

Graduates of this course are eligible for the following awards:

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

Holders of the Diploma (Diplomates) are eligible for exemptions from the Part I/II Land Survey Examination of the Royal Institution of Chartered Surveyors. Diplomates with appropriate experience are eligible for membership of the Irish Institution of Surveyors. Certificate and Diploma graduates have freedom of movement for employment within the EU and may also pursue relevant higher education programmes.

**Career Opportunities**

The Geo-Surveyor may be employed in a wide variety of occupations such as with engineering, land survey and hydrographic consultancies as well as with mining, photogrammetric and construction companies. The work can be very varied due to the variety of survey sites requiring different techniques and equipment but
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

Second Year

Third Year

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 admission to the Third Year. However, those holding a Pass Certificate and at least one year of appropriate post-Certificate experience will be considered.

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 (IAV) 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) at this College 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 College’s 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:
(a) take College examinations at the end of each session.
(b) present laboratory notebooks and project work reports to the satisfaction of the College.

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/GAS 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.

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.

Course Outline
First Year

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.

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

Duration
Two/Three years full-time.

Location
DIT Bolton Street.

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 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.

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 the College 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,

**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 to 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.

- LM389 Building Services Engineering Technician
- LM901 Building Services Engineering Technician
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.

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.

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 the College 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

Second Year

Third Year (Common Subjects)
Mathematics, Electrotechnology and Electronics, Management Studies and Computing.

Manufacturing Option

Process Option

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.

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**DT130 Printing Technician/Printing Management**

**Course Description**
This course is designed to prepare young people for technical/managerial positions in printing and related industries. The course leads to a Certificate award in Printing after two years of study and to a Diploma Award in Printing Management after a further year's study.

**Course Outline**

**First and Second Years**

**Third Year**
The following subjects are included in the Diploma (third year) programme:
- Management Accountancy, Marketing, Estimating, Production Planning, Quality Management, Costing, Computer Science, Languages, Management Science, and a major Project.

**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)**
Certificate in Printing with Distinction or Merit or a Pass with one year of relevant work experience or an acceptable equivalent qualification.

**Award**
Graduates of the course are eligible for the following awards:
- (a) Technician Certificate in Printing (Dublin Institute of Technology).
- (b) Diploma in Printing Management (Dublin Institute of Technology).

**Career Opportunities**
The majority of graduates to date have found positions in printing, packaging, publishing or advertising firms in the following areas: Estimating, Production Planning, Cost Accountancy, Marketing, 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

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

Second Year

Third Year

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).

Career Opportunities
There are many and varied career opportunities in the automobile and transport industries for those completing these courses including the following:

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.

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.

Outline
Students completing the course are eligible for the Buildings Maintenance Technician Certificate (Dublin Institute of Technology). 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.

First Year

Second Year

Duration
Two years full-time.

Location
DIT Bolton Street.