Prospectus: Bolton Street

1984

Fulltime Courses 1984-85

City of Dublin Vocational Education Committee

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City of Dublin Vocational Education Committee
Dublin Institute of Technology

College of Technology
Bolton St.

Fulltime Courses 1984/5
FULLTIME COURSES 1984–85

COISTE GAIRM-OIDEACHAIS
CHATHAIR ÁTHA CLIATH

CITY OF DUBLIN VOCATIONAL
EDUCATION COMMITTEE

INSTITIÚID TEICNEOLAÍOCHTA
BHAILE ÁTHA CLIATH

DUBLIN INSTITUTE
OF TECHNOLOGY

COLÁISTE
TEICNEOLAÍOCHTA

COLLEGE OF
TECHNOLOGY

SRÁID BHOLTÚIN

BOLTON STREET

BAILE ÁTHA CLIATH 1

DUBLIN 1

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Annex Longford House Little Longford Street Dublin 2 Phone 751183

Principal: MICHAEL O’DONNELL
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Dublin Institute of Technology Admissions Office:
14 Upper Mount Street, Dublin 2 Phone 766584/762652

City of Dublin Vocational Education Committee
Administrative Offices: Town Hall, Ballsbridge Dublin 4, Phone 680614
Chief Executive Officer: W. J. Arundell, BComm, HDip.
FOREWORD

This booklet has been prepared to provide information about the wholetime courses offered by the College of Technology, Bolton Street, Dublin 1 and the method of applying for them. We are conscious of the difficulties facing young people in deciding on careers and selecting the most suitable courses to prepare for them. We hope that you will find the booklet useful and informative.

Since Bolton Street is but one of the six Colleges operating under the City of Dublin Vocational Education Committee, each of which plays a complementary role in the provision of third level education, our range of programmes is necessarily concentrated. We offer considerable opportunities to those of you wishing to prepare for the important professions of Architecture, Engineering and Surveying and careers related to these disciplines in Construction, Manufacturing and Transport. Each of these sectors makes a vital and major contribution to the Irish economy and consequently must offer many challenging and rewarding job opportunities in the decades ahead. The College is also the main centre in Ireland preparing young people for entry into the Printing industry.

There are many things one could say about the College and its programmes which may interest you. It is a technological educational institution with the prime objective of assisting young people to acquire the knowledge and skills necessary for a fulfilling and rewarding career. Our well qualified and experienced staff and extensive range of laboratories, workshops and other facilities provide the basis for a vigorous and lively academic community. If you decide to apply and are accepted we hope that you will enjoy your stay with us.

Michael O'Donnell,
PRINCIPAL.
PROFILE OF THE COLLEGE

The College of Technology, Bolton Street, is the largest of the six colleges which make up the Dublin Institute of Technology. The other five Colleges are: College of Technology, Kevin Street, Dublin 8, College of Commerce, Rathmines, Dublin 6, College of Marketing & Design, Parnell Square, Dublin 1, Dublin College of Catering, Cathal Brugha Street, Dublin 1, College of Music, Chatham Row, Dublin 2. It was opened in 1911 to provide courses in various aspects of Building, Engineering and Printing. It was one of the first Irish buildings specially designed for technical/technological education and while it has undergone major extensions to cater for expanding demands its original distinctive facade remains. Over the years the College has provided opportunities for thousands of young people to qualify as architects, engineers, surveyors, technologists, technicians and craftsmen, thus enabling it to play a strategic role in developing the Irish economy.

Today the College has responsibility both nationally and regionally for the provision of comprehensive programmes of technical and technological education in each of its major disciplines. It has more than 8,000 students of whom 1,200 are full time third level students. It is organised into eleven departments; Architecture and Town Planning; Engineering Technology; Surveying & Building; Science and Mathematics; Aeronautical Engineering; Automobile Engineering; Building Trades; Engineering Trades; Metal Fabrication; Printing and Book Production. Full-time courses at degree level are offered in Architecture, Construction Economics, Environmental Economics, Mechanical Engineering, Production Engineering, Structural Engineering and Building Services Engineering.

Full-time technician courses are offered in the fields of Architecture, Construction, Civil Engineering, Building Services Engineering, Mechanical Engineering, Motor Engineering, Geo-Surveying, and Printing. The College caters for some twenty trades through part-time day and block release courses, including Building, Cabinet Making, Painting, Metal Fabrication, Aeronautical, Automobile and other Engineering Trades, Printing and Book Production. In addition, the College offers many other part-time day and evening and short courses at professional, technician and craft levels.

The close links which exist between the college and industry are strengthened by the large number of part-time and block-release students attending the College. In addition full-time students usually have industrial training during summer vacation, and project work, which forms a core in full-time courses and is based on industrial or on community problems. To assist in updating the courses, the College has a number of Advisory Committees drawn from industry, the professions and other appropriate organisations.

A prominent feature of the College’s research activity is its concern with the Built Environment which in turn involves participation by the Department of Architecture and Surveying in many regional projects and development programmes. Other Departments co-operate closely with industry in a number of research and development projects as well as in the more specific areas of education and training.

ENTRY QUALIFICATIONS and SELECTION PROCEDURES

Specific minimum entry and subject requirements in the Irish Leaving Certificate context are given as part of the information provided for each course entry later in this booklet. Due to the level of competition for the limited number of places available on each course, qualifications well above the stated minimum requirements may be necessary.

The following are the minimum educational entry requirements in general terms:

(a) Diploma/Degree Level Courses (i.e. D1, D3, D4, D42M, D42P, D42S, D42B) Irish Leaving Certificate with passes in six subjects, two of which must be at grade C or higher in higher papers. The six subjects passed must include Mathematics and English.

(b) Technician or Sub-degree Courses (i.e. D2A, D5A, D8, D40, D44, D46C, D46H, D46M, and D80) Irish Leaving Certificate with passes in five subjects which must include Mathematics and English.

The College is prepared to consider a range of alternative qualifications to the Irish Leaving Certificate and the following are given as indicative of the approach which is adopted.

Grade I in an NUI Matriculation subject (other than Mathematics and Science) is equated to Grade B on a higher level paper. Please note however, that the additional weighting factor in the case of course FT04 applies only to the Leaving Certificate Mathematics and Science subjects.

Grades II, III and IV in the NUI Matriculation are regarded as equivalent to an ordinary level Leaving Certificate pass.

Grades A, B and C in the GCE Advanced Level are regarded as meeting the Grade C or higher in a higher level paper requirement.

Grade D and E in the GCE Advanced Level or Grades A, B and C in the ordinary Level GCE qualifications well above the stated minimum requirements may be necessary.

Selection Procedures

Applicants are placed in order of educational score merit in accordance with the points system shown below allocated to the best results in five subjects (technician courses) or six subjects (degree level courses) obtained in one or more school leaving examinations having regard to the relevant course entry requirements. Generally demand exceeds the number of places available and qualifications above the minimum are required.

In the case of the Architectural courses (i.e. D1 and D8) applicants will be required to take a suitability test and this will be used in determining which applicants are called for interview. The results of suitability tests and interviews will be combined with the total educational points scored in the best five or six subjects referred to above to give an overall rating. It is anticipated that these tests will be held in April 1984. Applicants who have not been notified by the end of April as to when they should take their test should contact the College.

In the case of the professional/degree level courses in Engineering and Surveying (i.e. D42M, D42P, D42S, D42B, D3 and D4) the selection will be based on the direct educational score in the six best subjects as already described. In the case of all other courses qualified applicants may be called for interview and the results of this will be combined with the educational score on the five best subjects to give an overall rating. Interviews are normally held in early September.

Applicants should note carefully the specific course entry requirements before entering the course preference order in the application form.
### Points Weighting for Different Grades

#### Leaving Certificate

<table>
<thead>
<tr>
<th>Points</th>
<th>Higher</th>
<th>Ordinary</th>
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<td>9</td>
<td>A</td>
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<td>7</td>
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<td>C</td>
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</table>

#### N.U.I. Matric

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<thead>
<tr>
<th>Points</th>
<th>Higher</th>
<th>Ordinary</th>
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<td>9</td>
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<td>4</td>
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<td>III</td>
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<td>IV</td>
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<tr>
<td>2</td>
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</table>

**Additional Points for some subjects in relation to Engineering courses FT04**

The following points scores are awarded to grades A to C on the higher Leaving Certificate paper in Mathematics. A—14, B—12, C—10.

The following points scores are awarded to grades A to C on the higher Leaving Certificate papers in Physics, Chemistry, Physics with Chemistry, Applied Mathematics and Mechanics. A—11, B—9, C—7.

These scores are awarded for Higher Leaving Certificate papers only.

### Minimum Entry Standards which obtained places in 1983.

- **FT02(D4)** Construction Economics 33
- **FT03(D3)** Environmental Economics 31
- **D42M** Mechanical Engineering 39
- **D42P** Production Engineering 39
- **D42S** Structural Engineering 39
- **D42B** Building Services Engineering 39

Due to the inclusion of aptitude tests and/or interviews in the selection process it is not possible to give the number of points which were required to gain entry to course FT01 (D1) Architecture in 1983.

### Special Cases

The following types of applicants are treated as special cases and are processed separately from the main stream of candidates.

(a) Students with a craft or trade background.

(b) Mature students.

(c) Holders of N.C.E.A. National Certificate or Diplomas or other similar level awards.

(d) Applicants seeking exemption from one or more years of a course programme on the basis of success in a previous course of study.

(e) Overseas students.

All such applicants should apply directly to the Dublin Institute of Technology, 14 Upper Mount St., Dublin 2 on the standard DIT application form available on request. When returning the completed form they should indicate clearly that they wish to be considered as a special case and include all documentary evidence available, including examination results, in support of their application.

(a) Trade Students

Students holding the Senior Trade Certificate of the Department of Education with one endorsement in mathematics or a science subject satisfy the minimum entrance requirements for courses in the College which specify a pass in five subjects in the Leaving Certificate Examination as the entrance requirement. Students holding this Certificate with three endorsements in academic subjects are eligible for consideration for entry into related professional/degree level courses provided that they also meet any special entry requirements (e.g. Higher Level Mathematics for Engineering courses). Where endorsement subjects are not offered in the trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education is an acceptable equivalent.

(b) Mature Students

A mature student who is at least 24 years of age or over at the time of enrolment and who does not meet the normal minimum admission requirements may be considered for admission to appropriate courses after attending in person for interview and satisfying the College Authorities as to his/her ability to benefit from the proposed course. Such applicants may be required to sit and pass an entrance test or a suitability test before admission.

(c) Holders of N.C.E.A. National Certificates and Diplomas or Similar Level Awards

Applicants should request the College where they have studied for these awards to forward in confidence to the Admissions Office a full transcript of results (including subjects studied and grades obtained) not later than July 31st. The application will not be processed until this has been received. Only candidates with very high level of attainments have prospects of gaining admission because of the limited number of places available.

(d) Applicants Seeking Exemptions from one or more years of a Course.

As in (c) such applicants should ask their former College to forward in confidence to the Admissions Office a full transcript of previous attainments which it is claimed will justify the exemptions sought. The application will not be processed until this is received.

(e) Overseas Students

Overseas students seeking admission to the College should apply not later than February 1st using the standard application form available on request. When completed this should be forwarded with documentary evidence of qualifications in English (translations should be certified by an appropriate authority) showing subjects passed, levels and grades obtained.

Because of the large number of applications received each year from qualified Irish applicants and the limited number of places available the College regrets that it has to reserve 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.
METHOD OF APPLICATION

DEGREE LEVEL COURSES IN C.A.O. SCHEME

The following degree level courses are in the CAO scheme. Graduates of these courses are eligible for DIT Diplomas. They are also eligible for degree awards of the University of Dublin (Trinity College).

<table>
<thead>
<tr>
<th>College Code</th>
<th>CAO Code</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>FT01 ARCHDEG</td>
<td>Architecture</td>
</tr>
<tr>
<td>D3</td>
<td>FT03 ENVDEG</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td>D4</td>
<td>FT02 ECHDEG</td>
<td>Construction Economics</td>
</tr>
<tr>
<td>*D42M</td>
<td></td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>*D42P</td>
<td></td>
<td>Production Engineering</td>
</tr>
<tr>
<td>*D42S</td>
<td></td>
<td>Structural Engineering</td>
</tr>
<tr>
<td>*D42B</td>
<td></td>
<td>Building Services Engineering</td>
</tr>
</tbody>
</table>

*These four courses have a common First Year. In accordance with students' choice, performance in First Year College examinations and the number of places available on each course, they will be assigned places on one or other of the courses before entering Second Year.

Applicants for any of the above degree level courses in the CAO scheme should apply directly to:

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

It is essential that applicants adhere to the procedures described in the CAO Handbook.

CAO Closing Date: Irish Applicants—1st February 1984 (5.30 p.m.)

Application Fees:

- Irish Applicants: ................................................... IR£16.00
- Late Application Fee: ........................................... IR£40.00

Note:

(i) There will be a period of grace for the receipt of Irish applications during which such applications may be accepted at a fee of IR£24.00. This period will last from February 2nd to March 15th inclusive.

(ii) 'Re-applications' will not be accepted in respect of College degree level courses in CAO scheme.

(iii) Change of Mind applications and Late applications will not be accepted for course D1(FT01) Architecture.

(iv) 'Late applications' received in CAO by 1st July 1984 for other Bolton Street courses will be accepted together with normal applications on the basis of merit. 'Late applications' received by the CAO for DIT courses after that date will not be accepted.

(v) Applicants should note some specific exclusions from the CAO scheme listed on page 13 of the CAO Handbook. Instead these should make direct application to the College.

TECHNICIAN AND OTHER WHOLETIME COURSES

Application for admission to technician and other wholetime courses not in the CAO system, listed below, should be made to Dublin Institute of Technology on the standard form available on request. Documentary evidence of qualifications, if available, should accompany applications.

<table>
<thead>
<tr>
<th>College Course Code</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2A</td>
<td>Construction Technician Diploma</td>
</tr>
<tr>
<td>D5A</td>
<td>Geo-Surveying Technician Certificate/Diploma</td>
</tr>
<tr>
<td>D8</td>
<td>Architectural Technician Diploma</td>
</tr>
<tr>
<td>D40</td>
<td>Preliminary Engineering</td>
</tr>
<tr>
<td>D44</td>
<td>Transport Technician Certificate/Diploma in Motor Industry Management</td>
</tr>
<tr>
<td>D46C</td>
<td>Civil Engineering Technician Certificate/Diploma</td>
</tr>
<tr>
<td>D46H</td>
<td>Building Services Engineering</td>
</tr>
<tr>
<td>D46M</td>
<td>Mechanical Engineering Technician Certificate/Diploma</td>
</tr>
<tr>
<td>D80</td>
<td>Technician Certificate in Printing</td>
</tr>
</tbody>
</table>

Applicants for any of the above courses, including special cases, should apply by completing the standard application form available on request from:

The Admissions Office,
Dublin Institute of Technology,
14 Upper Mount Street,
Dublin 2.

Completed application forms should be forwarded to DIT by Wednesday 1st February 1984.

The final date for receipt of completed application forms will be 15th March 1984.

GRANTS, SCHOLARSHIPS AND COURSE FEES

(a) Local Authority Grants

Students who register for the Diploma/degree level courses conducted by the College are eligible to apply to the Local Authority where their parents or guardians normally reside for a Higher Education Grant. Information on eligibility conditions and application forms are available from the appropriate Local Authority (County Council or Corporation).

(b) VEC Scholarships

Students who register for technician or sub degree courses leading to Certificate or Diploma awards are eligible to apply to the Vocational Education Committee of the area where their parents or guardians normally reside for a VEC Scholarship. Information on eligibility conditions and application forms are available from the appropriate Vocational Education Committee.

(c) ESF Training Grants

Students who are interested in pursuing the Printing Certificate Course (D80) are eligible to apply for an ESF (European Social Fund) training grant. These are normally advertised in the public press.

The Printing Certificate Course is the only programme conducted by the College to which this source of funding applies.
AnCO, the Industrial Training Authority, offers a number of scholarships and grants each year to those pursuing Technician courses in the Engineering and Constructive fields. Information on the scholarships and grants is available from AnCO, Box 456, Baggot Court, Dublin 2.

The Construction Industry Federation and the Master Builders Association have established a scholarship fund to commemorate the late Ivan Webb, a former Council member of both bodies who was killed in the Stansted air disaster. The object of the scholarship fund is to assist students in pursuing their courses of study. The scholarships which apply to the full-time and part-time Construction Technician Courses in the College are awarded on the following basis: One scholarship valued at £500 to the student attaining the highest place in the results of the year’s work and examinations in the first year of the full-time course. Two scholarships valued at £250 each to the two students attaining the highest places in the results of the year’s work and examination in the second year of the part-time course.

These are offered by the Engineering Graduates of the College to nominated students in the whole-time degree level Engineering courses who achieve particularly meritorious performances in each year of their courses. The BETA Silver Medal is awarded to the outstanding Engineering graduate each session.

Students who are not successful in obtaining grants or scholarships and are subject to financial hardship may apply through the College to The City of Dublin Vocational Education Committee for a waiver of the Tuition Fees.

The major banks are prepared under normal circumstances to consider applications from students for loans. Enquiries about these should be directed to the banks.

COURSE FEES—Session 1983/84

Irish and other EEC Students
Whole-time Professional/Degree Courses
D1; D42M; D42P; D42S; D42B
D3: D4

Whole-time Technician Courses
D2A; D5A; D8;
D40; D44; D46C;
D46H; D46M; D80;

*Overseas Students Non-EEC Countries
Late Registration Fee
£1,200
College Examination Entry Fee
£30

*Students who are enrolled in Colleges through Irish Government Agencies may be admitted on paying the same fees as Irish students. Fees are payable on enrolment and are not refundable except where a class or course does not form. They must be paid before commencing attendance at classes. An enrolment is not transferable from one student to another.

ALL COURSE AND EXAMINATION FEES QUOTED ARE SUBJECT TO REVISION
AWARDS AND ACCREDITATION OF COURSES

All wholetime third-level courses conducted by the College (except the Preliminary Engineering Course D40) lead to Dublin Institute of Technology (DIT) Diploma or Certificate awards as appropriate. The majority of these awards are of long standing and are widely recognised by employers, professional bodies and academic institutions in Ireland and abroad. The courses are reviewed and assessed regularly and their standards are vouched for each year by a distinguished panel of external examiners, some of whom are drawn from other countries to ensure the international recognition of the awards.

In relation to a number of the courses there is a system of parallel awards available to those graduating. In 1975 the City of Dublin Vocational Education Committee and the University of Dublin entered into a formal agreement by which degree awards of the University with Honours classifications are available to graduates of the College who successfully complete appropriate courses in Architecture, Engineering and Surveying. Details of these awards are given under the individual course entries.

Since 1972 National Certificate and Diploma awards have been made to those graduating from the Civil, Environmental and Mechanical Engineering Technician programmes by the National Council for Education Awards (N.C.E.A.). More recently similar arrangements were made in relation to the Geotech-Surveying Technician course.

The College attaches high priority to ensuring that its graduates meet the academic requirements of the appropriate professional bodies and periodically it receives visitations from them to accredit the various course programmes.

D1 ARCHITECTURE – DIPLOMA/DEGREE
C.A.O. Code: FT01

This is a five year wholetime course which prepares students wishing to make their careers in Architecture. The course covers a wide range of subjects and aims at synthesis of knowledge gained from these 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.

Entrance Requirements

The minimum educational qualifications required for entry are the Irish Leaving Certificate with passes in six subjects, at least two of which must be at Grade C or higher in the higher level course, or equivalent qualifications. The six subjects must include Mathematics and English. Applicants will be required to undertake an aptitude test and, if successful in this, they are also interviewed as part of the selection process.

Course of Study:

First Year:

Second Year:

Third Year:

Fourth Year:

Fifth Year:

Awards:
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 for Associate Membership of the Royal Institute of the 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 RIAI. Success in the third year of the Diploma in Architecture Course gives exemption from the Intermediate Examinations of the RIAI.
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 may offer alternatives of general practice or specialisation throughout a career. Some graduates spend a time abroad to gain wider and more varied design experience.

The course and the career require a creative aptitude for design on the scale of architecture 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.

CONSTRUCTION TECHNICIAN DIPLOMA

This three-year wholetime course prepares students for a Construction Technician Diploma award and is designed to meet the needs of the construction industry for technical staff having 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.

D2A

Entrance Requirements
Leaving Certificate with passes in five subjects, including Mathematics and English, or equivalent qualifications.

Course of Study
First Year
Mathematics; Science for Technology; Land Surveying I; Accountancy; Construction Technology I; Measurement I.

Second Year
Builders' Accounts; Land Surveying II; Estimation and Price Build up; Construction Technology II; Measurement II; Computer Usage.

Third Year
Construction Law; Management; Economics; Construction Technology III; Measurement and Specification III; Variations.

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

Awards
Students who successfully complete the course are eligible for the following award:

Construction Technician Diploma (Dublin Institute of Technology).

Holders of the Diploma are entitled to associate membership of the Chartered Institute of Building following two years experience in building practice. The Institute also grants exemptions in Law and Economics in the Final Part One examination for corporate membership.

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

ENVIRONMENTAL ECONOMICS – DIPLOMA/DEGREE

This is a four year wholetime course which prepares students who wish to make their careers in Environmental Economics and Valuation Surveying. It is designed for those who wish to work as valuers, estate agents, property advisors, developers and planners. The course provides a sound general education in the different aspects of this field, with emphasis on the practice of environmental economics. Students are required to gain professional work experience during the summer vacations and in this way they are introduced to applying their technical knowledge to practical problems, working individually, or within a team.

D3

C.A.O. Course Code: FT03

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

Course of Study
First Year

Second Year

Third Year
Construction Technology, Economics, Environmental Law, Investment Analysis, Land Surveying, Planning, Urban Sociology, Valuations. Students of this year undertake a major integrated project.

Fourth Year
Economics, Planning, Taxation, Valuations. In the fourth year each student prepares a major dissertation as part of the final examination.
Awards
Graduates of this course are eligible for the following awards:

Diploma in Environmental 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 Royal Institute of Chartered Surveyors (General Practice Division). 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 field of construction and property management. Environmental 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 property development companies, valuation consultants, local authorities and the national valuation office.

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 developments. Environmental Economists obtain employment mostly in private practice, but also in areas such as the financial investment departments of banks and insurance companies.

CONSTRUCTION ECONOMICS – DIPLOMA/DEGREE

This is a four year wholetime course which prepares students wishing to make their careers 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 such project work. Students are required 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.

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

Entrance Requirements:

D4
C.A.O. Course
FT02

Course of Study
First Year:

Second Year:

Third Year:

Fourth Year:
Production Management, Building Economics, Contract Administration, Measurement. In the fourth year, each student prepares a major dissertation as part of the final examination.

Awards
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 of the Royal Institute of Chartered Surveyors (Quantity Surveyors Division), and the Construction Surveyors Institute. The Chartered Institute of Building requires graduates to undergo an additional examination in management subjects and satisfy an interview board as 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 field of construction and property management. The Construction Economist is concerned with the more detailed aspects of the construction and site development. He may specialise as a quantity surveyor, in which case he analyses building design for purposes of cost planning and, later, detailed tendering and cost control. Alternatively he 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 developments. Construction Economics Graduates obtain positions in quantity surveyors offices and in the general construction industry with contractors and developers.
This is a three year whole-time course leading to a Technician Certificate award in Geo-Surveying after two years and a Technician Diploma award on completion of an additional year. There is a good balance between lectures and practical work in the programme to ensure a sound understanding of the technology. Project work is a significant feature of the course and it is an important element in the overall assessment. Project work is a significant feature of the course and it is an important element in the overall assessment.

Entrance Requirements
First Year; Leaving Certificate with passes in five subjects including Mathematics and English or equivalent qualifications. Preference will be given to applicants with good grades in Mathematics.

Third Year; (Diploma Stage) Applicants are normally expected to have reached Credit or Distinction 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.

Course of Study
First Year
Mathematics and Statistics; Science including Electronics, Surveying; Methods and Practice; Theory and Use of Instruments; Survey Drawing; Computer Programming; Liberal Studies.

Second Year; (Certificate Stage)
Instrumentation; Introduction to Photogrammetry and Cartography; Geology; Mathematics: Science including Electronics; Land Surveying; Mine and Engineering Surveying; Computer Programming.

Third Year; (Diploma Stage)
Cartography; Land Surveying and Astronomy; Photogrammetry; Engineering Surveying; Mathematics and Statistics; Geophysics and Mine Surveying; Elements of Land Law; Dissertation.

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

Awards
Graduates from this course are eligible for the following awards:
(a) Technician Certificate / Diploma in Geo-Surveying (Dublin Institute of Technology)
(b) National Certificate / Diploma in Geo-Surveying (National Council for Educational Awards)

Holders of the Diploma are eligible for membership of the Society of Survey Technicians and for exemptions from the Part I / II Land Survey Examination of the Royal Institution of Chartered Surveyors.

Career Opportunities
The Geo-Surveying Technician 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 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-Surveying Technician 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 micro-processors by the Geo-Surveying Technician.
ARCHITECTURAL TECHNICIAN DIPLOMA

This is a three-year whole-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 period students are encouraged to obtain suitable practical work experience to complement their College training.

Entrance Requirements

Leaving Certificate with passes in five subjects including Mathematics and English or equivalent qualifications. Applicants will be required to undertake an aptitude test, and if successful in this they are also interviewed as part of the selection process.

Course of Study

First Year


Second Year


Third Year


Awards

Graduates from this course are eligible for the following award:

Architectural Technician Diploma (Dublin Institute of Technology)

This Diploma is recognised for Membership by the Institute of Architectural and Associated Technologists, and for Technician Membership by both the Incorporated Association of Architects and Surveyors, and the Royal Institute of the Architects of Ireland. It is also recognised for Associate Membership of the Society of Architectural and Associated Technicians (SAAT) 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, with Contractors and Manufacturers etc. A number choose to work overseas for a few years to gain useful and wider experience.

PRELIMINARY ENGINEERING

This is a one-year full-time course commencing each year in mid-Summer. Its main purpose is to prepare students for entry into the first year of the College's Engineering Diploma/Degree Courses D42M; D42P; D42S; D42B.

Entrance Requirements:

The Irish Leaving Certificate of the Department of Education with good passes in Mathematics, English and three other subjects, or equivalent qualifications. In practice the typical candidate gaining admission will probably have a number of 'Honours' grades.

Course of Study:

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 a College examination at the end of the session.
(b) present laboratory notebooks and project work reports to the satisfaction of the College.

Admission into Professional Engineering Courses:

Students who reach the required standard in the College examination may qualify for admission into the first year of course D42M; D42P; D42S or D42B without further assessment and are notified of this early in July. They do not have to apply through the CAO system.
MECHANICAL ENGINEERING — DIPLOMA / DEGREE

This is a four year wholtime course which prepares students with a suitable aptitude and educational background for a career in Mechanical Engineering. It is a broadly based engineering course over the first two years with specialisation in the third and final years and it requires a good mathematical and analytical ability. Project work is an important element in the programme and commences in the second year. A major project is undertaken in the final year on which both a thesis and oral presentation are required. Laboratory work is undertaken throughout the course. Students are encouraged to obtain suitable summer employment in engineering to complement their studies.

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

Course of Study:
First Year:
Mathematics, Mechanics, Engineering Drawing, Engineering Technology, Physics, Materials Science, Communication and Social Studies, Workshop and Laboratory Work.

Second Year:

Third Year:

Final Year:

A major project is also undertaken.

Awards
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 Post-Graduate courses in Ireland and abroad.

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 industries and with the maintenance of plant and equipment.

Graduates have prospects of employment in general mechanical engineering or processing firms, with state and semi-state bodies, and research organisations. The range of jobs includes engineering design, maintenance, consulting engineering and plant management. Some also pursue postgraduate studies in Ireland or abroad directly after graduation or they may go abroad to work initially and in this way gain wider or specialised experience.

PRODUCTION ENGINEERING — DIPLOMA/DEGREE

This is a four year wholtime course which prepares students with a suitable aptitude and educational background for a career in Production Engineering. It is a broadly based engineering course over the first two years with specialisation in the third and final years in Production Engineering. It requires a good mathematical and analytical ability. Project work is an important element in the programme and commences in the second year. A major project is undertaken in the final year on which both thesis and oral presentation are required. Laboratory work is undertaken throughout the course. Students are encouraged to obtain suitable summer employment in engineering to complement their studies.

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

Course of Study:
First Year:
Mathematics, Mechanics, Engineering Drawing, Engineering Technology, Physics, Materials Science, Communication and Social Studies, Workshop and Laboratory Work.

Second Year:

Third Year:

Awards
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 Post-Graduate courses in Ireland and abroad.

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 industries and with the maintenance of plant and equipment.

Graduates have prospects of employment in general mechanical engineering or processing firms, with state and semi-state bodies, and research organisations. The range of jobs includes engineering design, maintenance, consulting engineering and plant management. Some also pursue postgraduate studies in Ireland or abroad directly after graduation or they may go abroad to work initially and in this way gain wider or specialised experience.
Mathematics and Computing, Control Engineering, Manufacturing Technology, Mechanics, Materials Science, Production Management and Laboratory Work. A major project is also undertaken.

Awards
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 Post-Graudate courses in Ireland and abroad.

Career Opportunities
The qualification is appropriate to those wishing to specialise in either Manufacturing or Production Engineering. Production 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 maintenance of plant and equipment.

Graduates have prospects of employment in manufacturing firms, with state and semi-state bodies and research organisations. The range of jobs includes design, Industrial engineering, production and factory management. Some also pursue post-graduate studies in Ireland or abroad directly after graduation or they may go abroad to work initially and in this way gain wider or specialised experience.

D42S
C.A.O. Code FT04

STRUCTURAL ENGINEERING – DIPLOMA/DEGREE
This is a four year whole-time course which prepares students with a suitable aptitude and educational background for a career in structural engineering. It is a broadly based engineering course in the early years, specialising in structural design in the later stages. Project work is a major element in the programme and in the final year a thesis and oral presentation of the special topic studied are required. The course requires a good mathematical and analytical ability. Students are encouraged to obtain suitable summer employment in the industry to complement their studies.

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

Course of Study
First Year:
- Mathematics, Mechanics, Materials Science, Physics, Engineering Technology, Engineering Drawing, Communication and Social Studies, Workshop and Laboratory Work.

Second Year:

Third Year:

Fourth Year:

A major project is also undertaken.

Awards
Graduates 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 Post-Graudate courses in Ireland and abroad.

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 Services Engineers.

Graduates have prospects of employment with structural design offices, contractors, research organisations, as well as state and semi-state agencies and local authorities. Some pursue postgraduate 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.

D42B
C.A.O. Code FT04

BUILDING SERVICES ENGINEERING – DIPLOMA/DEGREE
This is a new four year whole-time course which prepares students with a suitable aptitude and educational background for a career in Building Services Engineering. It is a broadly based course in the early years, and becomes more specialised in Building Services Engineering in the later stages. Project work is a major element in the programme. At third year a joint project with Architectural and Surveying students is undertaken and in final year a specialised thesis or design project is required. The course requires a good mathematical and analytical ability. Students are encouraged to obtain suitable summer employment in the industry to complement their studies.
Requirements: Leaving Certificate in six subjects, with Grade C or higher on higher level papers in Mathematics and a suitable Science subject, (i.e. Physics, Chemistry, Physics with Chemistry, Applied Mathematics and Mechanics) and a pass in four other subjects which must include English, or equivalent qualifications.

Course of Study

First Year: Mathematics, Mechanics, Materials Science, Physics, Engineering Technology, Engineering Drawing, Communication and Social Studies, Workshop and Laboratory Work.


Fourth Year: Mathematics and Computing, Environmental Engineering, Building Services Design, Electrical Services, Building Services Plant, Construction Management, Laboratory Work. A major project is also undertaken.

Awards
Graduates are eligible for the following awards:

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

It is expected that they will also be eligible for membership of the Institution of Engineers of Ireland and acceptable for entry to appropriate Post Graduate courses in Ireland and abroad.

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.

Graduates have prospects of employment with Consulting Engineers, design offices, contracting firms, research organisations, as well as state and semi-state agencies and local authorities. Some may 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.

D44

TECHNICIAN CERTIFICATE IN TRANSPORT ENGINEERING – DIPLOMA IN MOTOR INDUSTRY MANAGEMENT

This whole-time course prepares students for entry into the many and varied responsible positions in the Motor Industry. 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.

Entrance Requirements: Leaving Certificate with passes in five subjects, including Mathematics and English, and preferably Physics or equivalent qualifications.

Course of Study


Examination and Other Requirements
Progress to successive years of the course will be on the basis of the student’s 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 Student Society of the Institute of the Motor Industry, the College Authorities and the Student society of Motor Industry Management will assist in their placement.

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 etc. Generally they progress fairly quickly to more senior management positions in Garage Management as Transport Managers, etc.

Awards
Graduates of the 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 examination requirements of the Institute of the Motor Industry and, by taking an extra examination in Road Transport Management, qualify for exemption from the examinations of the Institute of Road Transport Engineers.
CIVIL ENGINEERING TECHNICIAN
CERTIFICATE AND DIPLOMA

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 the end of September until the end of May each year and they 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.

Entrance Requirements

First Year - Leaving Certificate with good passes in Mathematics, a Science subject (preferably Physics), English and two other subjects or equivalent qualifications.

Third Year (Diploma Stage) - Students are expected to reach Credit or Distinction 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 and is focussed on Structural Design.

Course of Study

First Year

Second Year (Certificate Stage)
Structural Design and Detailing, Mathematics, Engineering Materials, Surveying, Construction Services and Supplies, Planning and Administration, Complementary Studies, Laboratory Work.

Third Year (Diploma Stage)
Theory of Structures, Structural Design, Municipal and Road Engineering, Mathematics and Data processing, Management Studies and a Project.

Examination and Other Requirements
(a) Students take a College examination at the end of each year which is moderated by the National Council for Educational Awards, and
(b) They are required to submit reports on their project and laboratory work.

Awards

Graduates of this course are eligible for the following awards:
(a) Technician Certificate/Diploma in Civil Engineering (Dublin Institute of Technology)
(b) National Certificate/Diploma in Engineering (Civil) (National Council for Educational Awards)

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 non-Corporate 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, sanitary services, etc. They may also be involved in drafting, surveying, laboratory and field work, and the planning and supervision of contracts.

Graduates have prospects of employment in contracting firms, engineering design offices, state and semi-state bodies, and research organisations engaged in Civil Engineering work.
BUILDING SERVICES ENGINEERING TECHNICIAN CERTIFICATE AND DIPLOMA

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 the end of September until the end of May each year and they spend the Summer months gaining practical experience in Heating, Ventilating and Air Conditioning design in Consulting Engineers' offices and related industry. The course requires an analytical ability to understand and solve technical problems.

Entrance Requirements
First Year - Leaving Certificate with good passes in Mathematics, a Science subject (preferably Physics), English and two other subjects or equivalent qualifications.

Third Year (Diploma Stage) - Students are expected to reach Credit or Distinction 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.

Course of Study
First Year

Second Year

Third Year

Examination and Other Requirements
(a) Students take a College examination at the end of each year, which is moderated by the National Council for Educational Awards, and
(b) they are required to submit a report on their Summer vacation training each year and also reports on their project and laboratory work.

Awards
Graduates of this course are eligible for the following awards:
(a) Technician Certificate/Diploma in Environmental/Building Services Engineering (Dublin Institute of Technology).
(b) National Certificate/Diploma in Engineering (Building Services) (National Council for Educational Awards).

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 are at Technician Engineer level and can qualify for the non-Corporate 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 Environmental/Building Services Engineering. Environmental/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 prospects of employment with mechanical services contractors and in design offices. The range of jobs includes engineering design, maintenance engineering, consulting engineering and technical sales.

MECHANICAL ENGINEERING TECHNICIAN CERTIFICATE AND DIPLOMA

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. The students attend the College for eight months each year commencing in September, and they spend the Summer period getting practical experience in industry, design offices etc. The course requires an analytical ability to understand and solve technical problems.

Entrance Requirements
First Year - Leaving Certificate with good passes in Mathematics, a Science subject (preferably Physics), English and two other subjects or equivalent qualifications.

Third Year (Diploma Stage) - Students are expected to reach Credit or Distinction 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.

Course of Study
First Year

Second Year
Third Year

**Common subjects:** Mathematics, Electrotechnology and Controls, Complementary Studies

**Manufacturing Option:** Manufacturing Technology I & II, Manufacturing Management, Manufacturing Design, Mechanics and Project Work.


Examination and Other Requirements

(a) Students take a College examination at the end of each session, which is moderated by the National Council for Educational Awards.

(b) They are required to submit a report on their industrial training each year and also reports on their Project and laboratory work.

**Awards**

Graduates of this course are eligible for the following awards:

(a) Technician Certificate/Diploma in Mechanical Engineering (Dublin Institute of Technology)

(b) National Certificate/Diploma in Engineering (Process or Manufacturing) (National Council for Educational Awards)

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 are at Technician Engineer level and can qualify for the non-Corporate 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 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 drafting, detailed planning and 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.

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D80 CERTIFICATE IN PRINTING TECHNOLOGY/DIPLOMA IN PRINTING MANAGEMENT

This two year wholetime course leads to a Technician Certificate in Printing Technology award on the basis of successful examination results. The course prepares students with a suitable aptitude and educational background for a career in Printing or Printing Management.

As the course is at present included amongst the programmes approved under the European Social Fund (ESF) scheme students may qualify for a weekly allowance and free tuition while attending it. Further details of the ESF scheme are available from the College Secretary on request.

**Entrance Requirements:**

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

**Course of Study**

**First Year:**


**Second Year:**


**Awards**

Graduates of this course are eligible for the Technician Certificate in Printing Technology (DIT) Students may also take appropriate examination of the British Printing Industries Federation leading to the Certificate in Printing Administration (B.P.I.F.). Successful graduates are also eligible to become Associate Members of the Institute of Printing (British).

The College has under consideration the extension of this course by a further year of full-time study leading to a Diploma award.

**Career Opportunities**

Many of the graduates to date have found positions in printing, publishing or advertising firms as estimators, cost accountants, production planners, or sales personnel while others become technical representatives for print materials and equipment suppliers.
WHOLETIME COURSES OFFERED BY OTHER DIT COLLEGES

DEGREE LEVEL COURSES IN C.A.O. SCHEME

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<th>Course Description</th>
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<th>University of Dublin Degree</th>
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<td>Electrical Engineering</td>
<td>Kevin Street</td>
<td>B.Sc.(Eng.)</td>
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<tr>
<td>FT22</td>
<td>Applied Sciences</td>
<td>Kevin Street</td>
<td>B.Sc. (Applied Sciences)</td>
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<td>FT23</td>
<td>Human Nutrition</td>
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<td>B.Sc. (Human Nutrition)</td>
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<tr>
<td>FT41</td>
<td>Marketing</td>
<td>Parnell Square</td>
<td>B.Sc. (Management)</td>
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<td>FT51</td>
<td>Business Studies</td>
<td>Rathmines</td>
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<td>FT61</td>
<td>Hotel &amp; Catering Management</td>
<td>Cathal Brugha St.</td>
<td>B.Sc. (Management)</td>
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</table>

*This course is conducted conjointly by the College of Technology, Kevin Street and Trinity College Dublin.

OTHER PROFESSIONAL COURSES

Applications to DIT Admissions Office

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<th>College</th>
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<tbody>
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<td>Kevin Street</td>
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<td>Environmental Design</td>
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<td>DIT Diploma</td>
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<tr>
<td>Visual Communication Design</td>
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<td>Environmental Health</td>
<td>Cathal Brugha St.</td>
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<td>Advanced Communications</td>
<td>Rathmines</td>
<td>DIT Diploma</td>
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<tr>
<td>Art &amp; Design</td>
<td>Parnell Square</td>
<td>DIT Diploma</td>
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</table>

TECHNICIAN AND OTHER ADVANCED LEVEL COURSES

Applications to DIT Admissions Office

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<tbody>
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<td>Bakery</td>
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<td>DIT Cert/Diploma</td>
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<tr>
<td>Bakery Prod. &amp; Manag.</td>
<td>Kevin Street</td>
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Business & Administration Studies

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<tbody>
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<td>Business Studies</td>
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<td>Marketing</td>
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<tr>
<td>Marketing Administration</td>
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<tr>
<td>Advertising</td>
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<td>Public Relations</td>
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<td>Transport</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
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</table>

Computer Science & Programming

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<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Computer Prog.</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
</tbody>
</table>

Design

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>Parnell Square</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Model Making</td>
<td>Parnell Square</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Media Studies</td>
<td>Parnell Square</td>
<td>DIT Certificate</td>
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</table>

Engineering

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Marine Radar Maintenance</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Marine Radio-Elec. Officer</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Radio Electronics</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Telecommunications Eng.</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
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</table>

Environmental Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Management</td>
<td>Parnell Square</td>
<td>DIT Diploma</td>
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</table>

Hotel & Catering, Tourism

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hotel Management</td>
<td>Cathal Brugha St.</td>
<td>DIT/NCEA Diploma</td>
</tr>
<tr>
<td>Catering Management</td>
<td>Cathal Brugha St.</td>
<td>DIT/NCEA Diploma</td>
</tr>
<tr>
<td>Hotel &amp; Catering Supervision</td>
<td>Cathal Brugha St.</td>
<td>DIT/NCEA Diploma</td>
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<tr>
<td>Hotel Reception</td>
<td>Cathal Brugha St.</td>
<td>DIT/NCEA Diploma</td>
</tr>
<tr>
<td>Tourism</td>
<td>Cathal Brugha St.</td>
<td>DIT/NCEA Diploma</td>
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</table>

Legal Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Studies</td>
<td>Rathmines</td>
<td>DIT Diploma</td>
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</tbody>
</table>

Science & Related Fields

<table>
<thead>
<tr>
<th>Course</th>
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<th>Award</th>
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</thead>
<tbody>
<tr>
<td>Applied Sciences:</td>
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<tr>
<td>Physics</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Biology</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Food Technician</td>
<td>Cathal Brugha St.</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Food Technology</td>
<td>Cathal Brugha St.</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Food Processing</td>
<td>Cathal Brugha St.</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Medical Laboratory Tech.</td>
<td>Kevin Street</td>
<td>DIT Diploma</td>
</tr>
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Social Studies:

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-School Care</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Child Care</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Home Management</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Preliminary Social Studies</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
</tbody>
</table>
APPLICATION PROCEDURES

(a) DEGREE LEVEL COURSES INVOLVED WITH CAO
Application forms and further details of application procedures can be obtained by writing (preferably on a postcard) to:
The Central Applications Office
Tower House
Eglinton Street
Galway.
Completed CAO application forms should be forwarded to the CAO Closing Date: Irish applicants 1st February, 1984.

(b) TECHNICIAN AND OTHER HIGHER LEVEL DIT WHOLETIME COURSES NOT INVOLVED WITH CAO
Application forms and further details of application procedures can be obtained by writing (preferably on a postcard) to:
The Admissions Office,
Dublin Institute of Technology,
14 Upper Mount Street,
Dublin 2.
Completed DIT application forms should be forwarded to the Dublin Institute of Technology by Wednesday, 1st February, 1984. The final date for receipt of completed application forms will be Thursday, 15th March, 1984 (5.00 p.m.).

(c) PART-TIME DAY AND EVENING COURSES
The College offers a wide range of part-time day and evening courses. Details of these are available in the general College prospectus and application for them is made by attending the College in person on scheduled dates in September.

Enquiries
Specific enquiries about courses may be directed to:
The Admissions Office
College of Technology
Bolton Street
Dublin 1.
Tel. Dublin 01-749913

The information in this booklet is intended as a guide for persons seeking admission to the College and shall not be deemed to constitute a contract or the terms thereof between the College and a student or any third party.