Prospectus: Bolton Street

1983

Fulltime Courses 1983-84

City of Dublin Vocational Education Committee

Follow this and additional works at: https://arrow.tudublin.ie/prosbt

Part of the Curriculum and Instruction Commons

Recommended Citation
https://arrow.tudublin.ie/prosbt/19

This Book is brought to you for free and open access by the Dublin Institute of Technology at ARROW@TU Dublin. It has been accepted for inclusion in Prospectus: Bolton Street by an authorized administrator of ARROW@TU Dublin. For more information, please contact yvonne.desmond@tudublin.ie, arrow.admin@tudublin.ie, brian.widdis@tudublin.ie.

This work is licensed under a Creative Commons Attribution-Noncommercial-Share Alike 3.0 License
City of Dublin Vocational Education Committee
Dublin Institute of Technology

College of Technology
Bolton St.

Fulltime Courses 1983/4
FULLTIME COURSES 1983-84

COISTE GAIRM-OIDEACHAIS
CHATHAIR ÁTHA CLIATH

INSTITIÚID TEICNEOLÁIÓCHTA
BHAILE ÁTHA CLIATH

COLÁISTE
TEICNEOLÁIÓCHTA

SRÁID BHOLTÚIN

BAILE ÁTHA CLIATH 1

CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE

DUBLIN INSTITUTE OF TECHNOLOGY

COLLEGE OF TECHNOLOGY

BOLTON STREET

BAILE ÁTHA CLIATH 1

DUBLIN 1

Centres
College of Technology Bolton Street Dublin 1 Phone 749913
Annex Longford House Little Longford Street Dublin 2 Phone 751183
School of Trades Yarnhall Street Dublin 1 Phone 749913
Annex 23–27 Beresford Street Dublin 7 Phone 741420

Principal: MICHAEL O’DONNELL
BE, BComm, MEconSc, CEng, FIEI, MIProdE
CONTENTS

1. FOREWARD 3
2. PROFILE OF COLLEGE 4
3. ENTRY QUALIFICATIONS AND SELECTION PROCEDURES 5
4. METHOD OF APPLICATION 8
5. GRANTS, SCHOLARSHIPS AND COURSE FEES 9
6. AWARDS AND ACCREDITATION OF COURSES 11
7. GUIDE TO WHOLETIME COURSES: Architecture, Surveying & Building
   D1 Architecture - Diploma/Degree (CAO Code FT01) 12
   D2A Construction Technician Diploma 13
   D3 Environmental Economics (Valuation Surveying) - Diploma/Degree (CAO Code FT03) 14
   D4 Construction Economics (Quantity Surveying) - Diploma/Degree (CAO Code FT02) 16
   D5A Geo-Surveying Technician Certificate/Diploma 17
   D8 Architectural Technician Diploma 19

ENGINEERING

D40 Preliminary Engineering Course 20
D42M Mechanical and Production Engineering - Diploma/Degree (CAO Code FT04) 21
D42S Structural Engineering - Diploma/Degree (CAO Code FT05) 22
D44 Certificate in Transport Engineering - Diploma in Motor Industry Management 23
D46C Civil Engineering Technician Certificate and Diploma 24
D46H Environmental/Building Services Engineering Technician Certificate and Diploma 25
D46M Mechanical Engineering Technician Certificate and Diploma 27

PRINTING

D80 Certificate in Printing 29

8. OUTLINE OF COURSES AVAILABLE IN OTHER DIT COLLEGES 30

FOREWARD

This booklet has been prepared to provide you with 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 7,500 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/Production Engineering and Structural Engineering.

Full-time technician and higher technician courses are offered in Architecture, Construction, Civil Engineering, Environmental/Building Services, Engineering, Mechanical Engineering, Motor Engineering, Geosurveying 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 Departments of Architecture and Surveying in many regional projects and development programmes. Other Departments cooperate 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) Professional or Degree Level Courses (i.e. D1, D3, D4, D42M/P and D42S) 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 NU1 Matriculation subject is equated to Grade B on a higher level paper. Grades II, III and IV in the NU1 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 in the GCE Advanced Level or Grades A, B and C in the ordinary Level GCE are regarded as equivalent to an ordinary level Leaving Certificate pass.

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 or six subjects referred to above to give an overall rating.

In the case of the Architectural courses (i.e. D1 and D8) applicants will be required to take an aptitude test and this will be used in determining which applicants are called for interview. The results of aptitude 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.

In the case of the professional/degree level courses in Engineering and Surveying (i.e. D42M/P, D42S, 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.

Applicants should note carefully the specific course entry requirements before entering the course preference order in the application form.
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.

Additional Points for some subjects in relation to Engineering courses FT04 and FT05

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.

Due to the inclusion of aptitude tests and/or interviews in the selection process it is not possible to give a statement of the number of points required to gain entry in 1982.

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 College on the standard College 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>FT01</td>
<td>ARCHDEG</td>
<td>Architecture</td>
</tr>
<tr>
<td>FT03</td>
<td>ENVDEG</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td>FT02</td>
<td>ECHDEG</td>
<td>Construction Economics</td>
</tr>
<tr>
<td>FT04</td>
<td>MPENDEG</td>
<td>Mechanical/Production Eng.</td>
</tr>
<tr>
<td>FT05</td>
<td>STENDEG</td>
<td>Structural Engineering</td>
</tr>
</tbody>
</table>

College Course Code

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 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>D46C</td>
<td>Civil Engineering Technician Certificate/Diploma</td>
</tr>
<tr>
<td>D46H</td>
<td>Environmental/Building Services Engineering Technician Certificate/Diploma</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>

Applications 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 1983 (5.30 p.m.)

Application Fees:

Irish Applicants: IRE 16.00
Late Application Fee: IRE 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 IRE 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) 'Late applications' received in CAO by 1st July 1983 will be accepted together with normal applications on the basis of merit. 'Late applications' received in CAO after that date will not be accepted for 1983.

(iv) 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.

GRANTS, SCHOLARSHIPS AND COURSE FEES

(a) Local Authority Grants

Students who register for the professional or 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 in early Summer. 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 Construction 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 examinations in the second year of the part-time course.

These are offered by the Engineering Graduates of the College to nominated students in the wholetime 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 to consider applications from students for loans under normal circumstances and enquiries about these should be directed to the banks.

FEES

Irish and other EEC Students
Wholetime Professional/Degree Courses
D1; D3; D4; D42M; D42S; (First & Second Year) £200
D2; D5A; D8; D40; D44; D46C; D46H; D46M; D80; (Third & Subsequent Year) £160

Wholetime Technician Courses
D2A; DSA; DB; D40; D44; D46C; D46H; D46M; D80; £100

*Overseas Students Non-EEC Countries £800
Late Registration Fee £30
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 IN SUBSEQUENT SESSIONS

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 all 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 Geo-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.
ARCHITECTURE – DIPLOMA/DEGREE

College Course: 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, to 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. Entry will be subject to: Suitability Assessment and Interview.

Course of Study:


Second Year: Studio Work; Theory of Architecture; Irish Art and Architecture; Art & Civilisation; Building Construction & Materials; Building Services I; Theory of Structures; Physics; Chemistry.

Third Year: Studio Work; Theory of Architecture; History of Town Planning; Interior Design; Building Construction; Building Practice; Building Services II; Building Materials; Structural Engineering; Surveying & Levelling; Computer Studies.

Fourth Year: Studio Work; Theory of Architecture; History of Architecture; Building Construction; Structural Engineering; Professional Practice; Interior Design (including Furniture Design); Urban Design; Economics & Cost Control; Computer Studies.

Fifth Year: Studio Work; Structural Engineering; Professional Practice; Urban Design; Specifications & Materials; Economics and Cost Control.

Special Features: The Department of Architecture operates an exchange system with the Department of Architecture in the University of Nebraska and with the Ecole Speciale d'Architecture in Paris.

In senior years of the course, students and staff engage in team projects in urban design, relating architecture to social and economic factors of urban development and to conservation of the historical architectural environment. These projects make a practical contribution to the planned development of towns and are undertaken annually in collaboration with State and Local Authorities and other organisations.

Over the past decade such projects have been undertaken in areas of Dublin and other parts of Ireland and more recently, by exchange system, in France and Morocco.

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 on graduation 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 abroad and may offer alternatives of general practice or specialisation throughout a career. Graduates from the course to date have had little difficulty in obtaining employment. Some 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

College Course: This three-year wholetime course prepares student for a Constructural 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.

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 1; Accountancy; Construction Technology 1; Measurement 1.

Second Year: Builders' Accounts; Land Surveying 11; Estimation and Price Build up; Construction Technology 11; Measurement 11; Computer Usage.

Third Year: Construction Law; Management; Economics: Construction Technology 111; Measurement and Specification 111; Variations.

Students are required to gain industrial experience during the summer vacations.
Awards

Students who successfully complete the course are eligible for the award of a Construction Technician Diploma by the 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.

Career Opportunities

The Construction Technician Diploma is particularly suitable for those who wish to attain positions relating to production planning, purchasing, quality control, estimating, surveying, inspection and general administration in the Construction Industry. It also provides a suitable background for those who wish to make their careers in building in the public sector (i.e. Central and Local Government).

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

NOTE

This course is also available on a part-time basis involving attendance at the College for one full day and three evenings per week over a four-year period. Students following the part-time course are required to be in suitable employment associated with the discipline.

ENVIRONMENTAL ECONOMICS — DIPLOMA/DEGREE

College Course
Code: D3
C.A.O. Course
Code: FT03

This is a four year whole-time 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.

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.

Special Features:

Each year, third year students of the four year course undertake a comprehensive Planning/Valuation study of an urban area and subsequently produce a report comprising statistical information, identification of problems such as decay of central areas, traffic congestion and deficiencies in housing and/or services and amenities. Proposals for improvement are put forward in the reports, particular attention being paid to the economic viability of suggestions. These studies are, where at all possible, carried out with the active co-operation and indeed assurance of the relevant local authority and/or Community Association, Chamber of Commerce, or similar group. Copies of the reports are made available to these bodies and are also sent, where appropriate, to Government Departments and professional institutions. Areas which have been the subject of these studies in recent years are: Waterford Inner City 1977/78; Dublin North Inner City (with a visit to Liverpool for purposes of comparison) 1978/79; New Ross 1979/80; Rathkeale, Co. Limerick 1980/81.

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.

To date Environmental Economists have had little difficulty in obtaining suitable employment, mostly in private practice, but also in areas such as the financial investment departments of banks and insurance companies.
CONSTRUCTION ECONOMICS — DIPLOMA/DEGREE

College Course Code: D4
C.A.O. Code: F202

This is a four year whole-time 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 much 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.

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 passed must include Mathematics and English.

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), the Institute of Quantity Surveyors 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. 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 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. In general Construction Economics Graduates have little difficulty in obtaining suitable employment and normally obtain positions in quantity surveyors offices and in the general construction industry with contractors and developers.

NOTE
This course is also available on a part-time basis over six years of part-time day and/or evening classes and leads to the same Diploma award. Students following the part-time programme are expected to be in suitable employment associated with the discipline.

GEO-SURVEYING TECHNICIAN CERTIFICATE/DIPLOMA

College Course Code: DSA

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.

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) Technician Certificate/Diploma in Geo-Surveying (National Council for Educational awards)
Holders of the Diploma are eligible 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 wholetime 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.
MECHANICAL/PRODUCTION ENGINEERING—DIPLOMA/DEGREE

College Course
Code: D42M
C.A.O. Code: FT04

This is a four year whole-time course which prepares students with a suitable aptitude and educational background for a career in Mechanical or Production Engineering. It is a broadly based engineering course over the first two years with specialisation in the third and final years in either Mechanical or 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 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:
Mechanical Option: Thermodynamics, Fluid Mechanics, Electrical Engineering and Engineering Design.

Final Year:
Common Subjects: Mathematics and Computing, Control Engineering and Laboratory Work.
Production Option: Manufacturing Technology, Mechanics, Materials Science, Production Management.

A major project is also undertaken.

Awards

Graduates of this course are eligible for the following awards:

Diploma in Mechanical/Production 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.
Career Opportunities

The qualification is appropriate to those wishing to make their careers in engineering, specializing in either Mechanical or Production Engineering. Mechanical and Production 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 good prospects of employment in manufacturing or processing firms, with state and semi-state bodies, and research organizations. The range of jobs available includes engineering design, maintenance, consulting engineering 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 specialized experience.

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, specializing 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 Structural 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.

Career Opportunities

The qualification is appropriate to those wishing to make their careers in Structural Engineering, which is a specialization 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 good prospects of employment with structural design offices, contractors, research organizations, 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 specialized experience.

TECHNICIAN CERTIFICATE IN TRANSPORT ENGINEERING — DIPLOMA IN MOTOR INDUSTRY MANAGEMENT

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

Course of Study

First Year:

Second Year:

Third Year:

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 Graduate 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 promotions such as Garage Management, Transport Manager, 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 examination 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 qualification.

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) Technician 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 Associate 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 good prospects of employment in contracting firms, engineering design offices, state and semi-state bodies, and research organisations engaged in Civil Engineering work.

NOTE

This course is also available on a part-time basis involving attendance over four/six years of part-time day and/or evening classes. Students following the part-time programme are expected to be in suitable employment associated with the discipline.

ENVIRONMENTAL/BUILDING SERVICES ENGINEERING TECHNICIAN CERTIFICATE AND DIPLOMA

This course prepares students for a Technician Certificate award in Environmental 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 Engineer's 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) Technician 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 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.

NOTE

This course is also available on a part-time basis involving attendance over four/six years of part-time day and/or evening classes. Students following the part-time programmes are expected to be in suitable employment associated with the discipline.

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 experience post-certificate 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
Mathematics, Thermal and Fluid Plant, Electrotechnology and Controls, Complementary Studies, Mechanics, Drawing & Design, Production Technology, and Laboratory work.

Third Year
Common subjects: Mathematics, Electrotechnology and Controls, Complementary Studies, Mechanics, Drawing & Design, Production Technology, and Laboratory 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) Technician 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 good prospects of employment in manufacturing or processing firms, research organisations, as well as state and semi-state agencies.

NOTE

This course is also available on a part-time basis involving attendance over four/six years of part-time day and/or evening classes. Students following the part-time programme are expected to be in suitable employment associated with the discipline.

PRINTING TECHNICIAN CERTIFICATE

College Course
Code D80

This course is designed to prepare young people for administrative positions in printing and related industries. It is of two years duration and leads to a DIT Certificate award on its successful completion.

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:

The following subjects are included in the programme:

Awards

Graduates of this course are eligible for the following award:
Technician Certificate in Printing (Dublin Institute of Technology). Students may take appropriate examinations of the British Printing Industry Federation related to some of the above subjects while attending the course and these may be additional desirable qualifications for some positions.

Career Opportunities

The majority of 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

<table>
<thead>
<tr>
<th>CAO Code</th>
<th>Course Description</th>
<th>College</th>
<th>University of Dublin Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT21</td>
<td>Electrical Engineering</td>
<td>Kevin Street</td>
<td>B.Sc. (Eng.)</td>
</tr>
<tr>
<td>FT22</td>
<td>Applied Sciences</td>
<td>Kevin Street</td>
<td>B.Sc. (Applied Sciences)</td>
</tr>
<tr>
<td>FT23*</td>
<td>Marketing</td>
<td>Parnell Square</td>
<td>B.Sc. (Management)</td>
</tr>
<tr>
<td>FT51</td>
<td>Business Studies</td>
<td>Rathmines</td>
<td>B.Sc. (Management)</td>
</tr>
<tr>
<td>FT61</td>
<td>Hotel &amp; Catering Management</td>
<td>Cathal Brugha St.</td>
<td>B.Sc. (Management)</td>
</tr>
</tbody>
</table>

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

OTHER PROFESSIONAL COURSES

Application to College concerned only

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

TECHNICIAN AND OTHER ADVANCED LEVEL COURSES

Application to College concerned only

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bakery</td>
<td>Kevin Street</td>
<td>DIT Cert/Diploma</td>
</tr>
<tr>
<td>Bakery Prod. &amp; Manag.</td>
<td></td>
<td>DIT Cert/Diploma</td>
</tr>
<tr>
<td>Business &amp; Administration Studies</td>
<td></td>
<td>DIT Cert/Diploma</td>
</tr>
<tr>
<td>Business Studies</td>
<td>Rathmines</td>
<td>DIT Cert/Diploma</td>
</tr>
<tr>
<td>Marketing</td>
<td>Parnell Square</td>
<td>DIT Cert/Diploma</td>
</tr>
<tr>
<td>Marketing Administration</td>
<td>Parnell Square</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Advertising</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Public Relations</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Journalism</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Estate Agency &amp; Auct.</td>
<td>Rathmines</td>
<td>DIT Examination</td>
</tr>
<tr>
<td>Accounting Technician</td>
<td>Rathmines</td>
<td>DIT Examination</td>
</tr>
<tr>
<td>Professional Bodies</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Foundation Course (Admin./Company Sec./Accounting)</td>
<td>Rathmines</td>
<td>External Examination</td>
</tr>
<tr>
<td>Transport</td>
<td>Rathmines</td>
<td>DIT Certificate</td>
</tr>
</tbody>
</table>

Computer Science & Programming

<table>
<thead>
<tr>
<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>
<tr>
<td>Computer Studies</td>
<td>Parnell Square</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>
</tr>
</tbody>
</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>MRG Certificate</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>
</tr>
</tbody>
</table>

Environmental Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Studies</td>
<td>Parnell Square</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Environmental Management</td>
<td>Parnell Square</td>
<td>DIT Diploma</td>
</tr>
</tbody>
</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 Certificate</td>
</tr>
<tr>
<td>Hotel Reception</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
<tr>
<td>Tourism</td>
<td>Cathal Brugha St.</td>
<td>DIT Certificate</td>
</tr>
</tbody>
</table>

Legal Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Studies</td>
<td>Cathal Brugha St.</td>
<td>DIT Diploma</td>
</tr>
</tbody>
</table>

Science & Related Fields

<table>
<thead>
<tr>
<th>Course</th>
<th>College</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Sciences:</td>
<td></td>
<td></td>
</tr>
<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 Certificate</td>
</tr>
<tr>
<td>Food Technology</td>
<td>Cathal Brugha St.</td>
<td>DIT Diploma</td>
</tr>
<tr>
<td>Medical Laboratory Tech.</td>
<td>Kevin Street</td>
<td>DIT Cert./Diploma</td>
</tr>
</tbody>
</table>

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>
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.

Enquiries

Enquiries about the courses or the application procedures should 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.