
Prospectus: Kevin Street

Kevin Street College

1996

Part-time Courses 1996-97

City of Dublin Vocational Education Committee

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DIT Part-Time Courses

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DIT Box
Calendars

1996-97

Reference
Only



DUBLIN INSTITUTE
of TECHNOLOGY

Institiúid Teicneolaíochta Bhaile Átha Cliath

Sráid Caoimhín



**DIT at Kevin Street
Dublin 8**
Tel: (01) 402 3000. Fax: (01) 402 4999.

Director: **Francis M. Brennan, MAI (bcDubl), Dip. EE, C.Eng.,
Eur Ing, FIEI, FIEE.**

Secretary/Registrar: **Damien Gallanagh**

*Administration
Offices of DIT:* **Dublin Institute of Technology**
Fitzwilliam House,
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President: **Brendan Goldsmith BSc, MSc, DPhil.**

Published May 1996

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Student Information

DIT Opening Hours:

DIT centres are open each day from 9 a.m. to 10 p.m. and on Saturdays from 10 a.m. to 5 p.m.

Parking:

There is on-street parking adjacent to most DIT centres. The locations of public car parks are shown on the city map on the back cover of this booklet. Students should check carefully in advance the opening/closing times of these car-parks.

Bus Routes:

DIT at Bolton Street – Nearest points: Parnell Square and Upper Dorset Street. *Routes 3, 11, 11A, 13, 16, 16A, 22, 22A, 36, 36A.*

DIT at Kevin Street – Nearest point: Aungier Street. *Routes 16, 16A, 19, 19A, 22, 22A, 155, 83.*

DIT at Aungier Street – *Routes 16, 16A, 19, 19A, 22, 22A, 155, 83.*

DIT at Cathal Brugha Street – Nearest point: O'Connell Street. *Any city centre route.*

DIT at Adelaide Road – Nearest point: Harcourt Road. *Routes 14, 15A, 15B, 44, 47, 47A, 47B, 48A, 62.*

DIT at Mountjoy Square – Nearest points: Gardiner Street. *Routes 41, 41A, 41C,*

Dorset Street. Routes 3, 11, 16, 40, 40A.

DIT Rathmines House – Nearest point: Rathmines Road. *Routes 14, 14A, 15, 15A, 15B, 47, 47A, 47B.*

Library Facilities:

Each DIT centre has its own comprehensive library facility. Libraries are open from 9.30 a.m. to 9.30 p.m. on Monday – Friday and from 10 a.m. to 5 p.m. on Saturday. All part-time students will be supplied with student cards to enable them to use libraries to borrow books and to avail of inter-library loans. Library staff are always available and willing to help students find information.

Restaurants:

Hot meals are served in DIT centres until 7 p.m. each evening and snacks are available from 7 – 9 p.m. On Saturdays snacks are served from 10 a.m. until 3 p.m.

Students' Union Shops:

Each centre has a Students' Union shop where students may purchase stationery, confectionery, soft drinks etc. These shops are conveniently located and remain open until 8 p.m. each evening when evening classes are scheduled.

Photocopying:

Students may avail of photocopying facilities by using a special photocopying card. These cards may be purchased from vending machines in DIT libraries.

First Aid:

A First Aid service is available when DIT centres are open (except Adelaide Road). Students should check locally for details.

Computer facilities:

Computer facilities will be available for students each Saturday during term time. Centres are open on Saturdays from 10 a.m. to 5 p.m.

Chaplaincy:

A chaplaincy service is available most evenings. Students should check locally for details.

Counselling Service:

The DIT Student Counselling Service is a confidential service staffed by a team of Counselling Psychologists with an office in each of the six DIT centres. The Counselling service aims to help students to identify and solve any difficulties, large or small, that might interfere with academic and personal development. Some of the issues that a student might talk to a counsellor about would include social/personal difficulties, financial worries, studies worries, to name but a few. However, you don't have to have enormous problems before you talk to a counsellor. In addition to individual counselling, the service offers a variety of

workshops/training seminars in such areas as study skills, stress management, communication skills etc. Students can make an appointment by telephoning the central office or by making direct local contact with the counsellor.

Applicants with disabilities:

Such applicants should contact the appropriate DIT centre well in advance of enrolment to discuss particular needs and the possible availability of any special facilities required.

Telephones:

Each DIT centre is equipped with a number of pay phones and card-phones. The porters' office can provide information on location.

Emergencies:

In the case of an emergency evacuation of a DIT building, students will be required to make their way to designated assembly points. These will be clearly signposted in each centre and students should familiarise themselves with the location of these points.

BAKERY CRAFT STUDIES

Head of Department, Derek O'Brien, NBDip FTC (CGLI).
Telephone:(01) 402 4566.

K201

CAKE DESIGN AND DECORATION – ROYAL ICING

Description:

This two year course has been designed for students who are interested in developing skills in cake decoration. The course is appropriate as a basis for employment in the industry, for self employment and for full-time and part-time students wishing to enhance their skills.

Content:

YEAR 1 – INTERMEDIATE LEVEL

Preparation of Almond Paste and Royal Icing.

Method and technique of applying almond paste to cake.

Method and technique of coating cake of various shapes and textures.

Introduction to and precise use of a range of piping tubes.

Practical skills in use of piping tubes, including piped borders, line work and simple methods of lettering.

Use of colours and use of colour harmonies.

Introduction to 'run out sugar' and its application in Royal Icing designs.

YEAR 2 – ADVANCED LEVEL

Advanced design techniques incorporating fine pipe work.

Appreciation of colour combination and harmonisation.

Preparation of designs and working drawing for 'run out' technique.

Advanced techniques of lettering and writing with fine piping tubes.

Technique for full, double and floating collars, side panels and elevated flanges.

Method and techniques of brush embroidery, fine bridge work and lace work.

Entry Requirements:

Entrants should be employed or seeking employment in the industry, or be a full-time or part-time student of a recognised bakery course.

Duration:

Two years part-time.

How to Apply/ Enrol:

Contact National Bakery School, DIT Kevin Street, Dublin 8.

Course Fee:

£230 per year.

Examinations:

Year one: Assessment, Year two: Practical examination.



Award: (National Bakery School Certificate) to be replaced by DIT Certificate.

Career Opportunities: Full/part-time employment in the bakery industry, self employment.

Further Information: Derek O'Brien, National Bakery School, DIT Kevin Street
Tel: (01) 402 4566.

**K202****CAKE DESIGN AND DECORATION - SUGAR PASTE**

Description: This two year course has been designed for students who are interested in developing skills in cake decoration. The course is appropriate as a basis for employment in the industry, for self employment and for full-time and part-time students wishing to enhance their skills.

Content: YEAR 1 - INTERMEDIATE LEVEL
Introduction to and preparation of Sugar Paste.
Knowledge of available convenience products.
Method and technique of applying sugar paste to cakes of various shapes and textures.
Understanding of sugar paste equipment and its use.
Method and technique of figure modelling.
Method and technique of bridge work.
Practical skills in use of ribbon as a decoration medium and ribbon insertion techniques.
Use of colours and colour harmonies.
Introduction to flounces and lace work.

YEAR 2 - ADVANCED LEVEL
Preparation of designs and working drawings for sugar paste techniques.
Advanced design techniques including smocking, quilling and collage work.
Appreciation of colour combination and harmonisation.
Advanced techniques of crimper and tablecloth design work.
Technique for overskirts or panels, incorporating Broderie Anglaise.
Method and techniques of brush embroidery and Nottingham lace designs.
Introduction to and application of bass relief.

Entry Requirements: Entrants should be employed (or seeking employment) in the industry, or be a full-time or part-time student of a recognised bakery course.

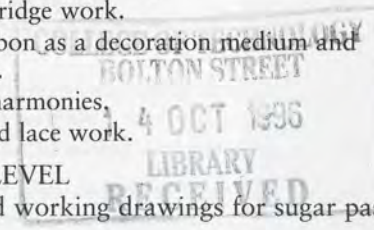
Duration: Two years part-time.

How to Apply/Enrol: Contact National Bakery School, DIT Kevin Street, Dublin 8.

Course Fee: £230 per year.

Examinations: Year one: Assessment; Year two: Practical examination.

Award: (National Bakery School Certificate) to be replaced by DIT Certificate.





Career Opportunities:

Full/part-time employment in the bakery industry, self employment.

Further Information:

Derek O'Brien, National Bakery School, DIT Kevin Street
Tel: (01) 402 4566.



K203

CAKE DESIGN AND DECORATION – SUGAR FLOWERS

Description:

This one year course has been designed for students who are interested in developing skills in cake decoration. The course is appropriate as a basis for employment in the industry, for self employment and for full-time and part-time students wishing to enhance their skills.

Content:

YEAR 1 ADVANCED LEVEL.

Introduction to and preparation and storage of Flower Paste. Knowledge of available convenience products.

Method and technique of preparing hand pulled and cutter type flowers.

Understanding of correct method of rolling paste.

Method and technique of figure modelling.

Technique of the Mexican Hat method.

Introduction to and application of setting petals and foliage using formers.

Practical skills in use of equipment including cutters, wires, various veiners, moulds and formers.

Use of colours for dusting, air brushing and painting formers.

Entry Requirements:

Entrants to this course must have completed the first year of the Cake Design and Decoration course (Royal Icing and/or Sugar Paste), or possess such other qualification as the Institute may deem equivalent.

Duration:

One year part-time.

How to Apply/Enrol:

Contact National Bakery School, DIT Kevin Street, Dublin 8.

Course Fee:

£230 per year.

Examinations:

Practical examination.

Award:

(National Bakery School Certificate) to be replaced by DIT Certificate.

Career Opportunities:

Full/part-time employment in the bakery industry, self employment.

Further Information:

Derek O'Brien, National Bakery School, DIT Kevin Street
Tel: (01) 402 4566.



DEPARTMENT OF BIOLOGICAL SCIENCES.

Head of Department, Brid Ann Ryan, B.Sc. MIBiol. CBiol. M.Sc. DipIndMicrob.

Telephone: (01) 402 4563

K211

CERTIFICATE IN MEDICAL RECORDS AND PATIENT SERVICE MANAGEMENT

Description:

This one year course has two primary aims:

(a) To provide a basic training in Medical Records Administration

and

(b) To prepare students for the Certificate Examination of the Institute of Hospital and Health Service Administrators.

The course is specifically aimed at and intended to meet the needs of clerical and secretarial staff working in medical records, medical secretarial, admissions, out-patients, radiology, pathology and other medical support departments.

Content:

Health Service Management,
Patient Record Management,
Medical Terminology, Anatomy and Physiology,
Principles of Organisation and Management,
Information Technology,
Communication, Statistics.

Entry Requirements:

Academic attainment as stated below and in addition students must register with the Institute of Hospital and Health Service Administrators before presenting themselves for enrolment on the course.

To become a registered student, a person is required to:

(a) Be employed in a hospital or branch of the health service or in a health agency.

(b) Have passed the Leaving Certificate Examination or its equivalent in at least five subjects including English and Mathematics. Applications will be considered from mature students.

(c) Apply to the Institute on the prescribed form accompanied by the appropriate registration fee.

Application forms for registration may be obtained from:
The Director of Education,
Institute of Hospital and Health Service Administrators,
c/o Hume Street Hospital, Dublin 2



Telephone: (01) 676 6935 (mornings only).

Duration:

One year, two evenings per week, Tuesday and Thursday, from 18.00 hrs to 21.00 hrs.

How to Apply/ Enrol:

Successful applicants should attend in person at the College at the times and dates advised for enrolment. Students should provide three passport size photographs for registration purposes.

Course Fee:

£330.

Award:

Certificate in Medical Records and Patient Service Management.

Examinations:

Students must sit the Certificate Examination of the Institute of Hospital and Health Service Administrators at the end of the course. Only registered students of that Institute who comply with its regulations are eligible to sit for the Certificate Examination.

Career

Opportunities:

Graduates of this course are eligible to apply for administration posts in hospitals and other institutions of the Health Services.

Further

Information:

Dr. J. Tighe,
Department of Biological Sciences,
Telephone: (01) 402 4913.



K212

DIPLOMA IN FOOD SCIENCE

- Description:** A course for science or engineering graduates who require special knowledge of food science. The course is suited for those wishing to make a career in various technical areas within the food industry, e.g. quality control, product development, process control and research.
- Content:** The course deals with the chemistry, microbiology and nutrition appropriate to the food processing industry. The subjects of the course are:
1. Food Chemistry
 - (a) The components of food.
 - (b) Chemical interactions in foods.
 - (c) Food analysis.
 - (d) Main classes of raw materials.
 2. Microbiology
 - (a) General microbiology.
 - (b) Fresh foods.
 - (c) Food processing and processed foods.
 - (d) Food borne disease of microbiological origin.
 - (e) Food factories and the distribution chain.
 - (f) Methods of assessing microbiological quality of foods and state of food processing plant.
 3. Human Nutrition
 - (a) General introduction.
 - (b) Main classes of substances of dietary value.
 - (c) Assessment of diets.
 - (d) Further aspects of the influence of diet on health.
 - (e) Processing and nutrient content.
- Entry Requirements:** B.Sc or equivalent.
- Duration:** Two years. It is also possible to prepare for this qualification on a full-time basis over one year (course DT213).
- How to Apply/Enrol:** Applicants should apply directly to:
The Registration Section,
Dublin Institute of Technology,
Kevin Street,
Dublin 8.
- Course Fee:** Year 1: £370. Year 2: £390.
- Examinations:** Food Chemistry, Food Microbiology, Human Nutrition.
- Award:** Graduates of this course are eligible for the following award:
Diploma in Food Science (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.



Career Opportunities:

Graduates of this course may expect to obtain employment within the Food Industry as Senior Technicians and Experimental Officers in research, development or quality control.

Further Information:

Mr. John McEvoy B.Sc. B.A. B.D. B.Sc(Econ) AIFSTI,
Department of Biological Sciences,
Telephone: (01) 402 4884.



K216

GRADUATE DIPLOMA OF THE INSTITUTE OF FOOD SCIENCE AND TECHNOLOGY

Description:

This course is designed to assist candidates prepare for the Graduate Diploma in Food Science and Technology. The standard sought in this examination by the Institute of Food Science and Technology (UK) is equivalent to an Honours Degree.

On completion of the course, graduates will have a good knowledge of the following areas:

- (a) The composition, structure, chemical and biochemical reactions of food.
- (b) The interaction of micro-organisms with foods.
- (c) The basic principles of human nutrition and their relevance to food supply.
- (d) The means by which foods are processed, preserved and stored, and the effect of such treatment on the qualities of foods.

Content:

- (a) Chemistry, Biochemistry and Properties of Foods.
- (b) Microbiology.
- (c) Human Nutrition.
- (d) Principles of the production and distribution of food.

(a), (b) and (c) are essentially the same as those syllabuses described in the Diploma in Food Science (Ref. K212). During this year, emphasis is placed on integrating the knowledge obtained during the Diploma in Food Science course.

The Principles of the production and distribution of food cover the following main areas:

- (a) Processes of the food industry.
- (b) Food processing as an integral operation.
- (c) Packaging.
- (d) Food storage and distribution.
- (e) An outline of ancillary aspects of the food process.

Entry Requirements:

Diploma in Food Science from the Dublin Institute of Technology or Degree in Food Science or equivalent.

Duration:

One year, two evenings per week.

How to Apply/Enrol:

Application should be made on the enclosed form to The Registration Section, DIT Kevin Street, Dublin 8.

Course Fee:

£330.

Examinations:

As set by the Institute of Food Science and Technology (UK).

Award:

The Graduate Diploma in Food Science and Technology of the Institute of Food Science and Technology.

Career Opportunities:

Graduates of this course may expect to obtain employment as professional food technologists within the food industry, in research, development or quality control, or proceed to post-graduate studies leading to M.Sc or Ph.D.



Further Information:

Mr. John McEvoy B.Sc. B.A. B.D. B.Sc(Econ) AIFSTI
Department of Biological Sciences,
Telephone: (01) 402 4884.



K217

**COURSE FOR REGISTERED NURSING
AUXILIARIES OF THE ROYAL COLLEGE OF
VETERINARY SURGEONS**

- Description:** This course is designed to meet the needs of students who are employed in approved veterinary clinics and who wish to study for the examinations for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons.
- Content:** **Year 1**
Anatomy and Physiology, First Aid, Theory and Practice of Nursing including Dietetics, Management, Hygiene and Feeding.
Year 2
Diagnostic Aids, Medical and Surgical Nursing, Radiography, Obstetrical and Paediatric Nursing.
- Entry Requirements:** Irish Leaving Certificate in five subjects including Mathematics and English or equivalent and employment in an approved veterinary clinic.
- Duration:** Two years, two evenings per week.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below.
- Course Fee:** Year 1: £330, Year 2: £120.
- Examinations:** At the end of year 1 students sit Part 1 of the Registration Examination for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons. At the end of year 2 they may complete Part II of this examination.
- Award:** Registered Animal Nursing Auxiliaries (RANA).
- Career Opportunities:** Graduates of this course are eligible to apply for posts working in animal houses, veterinary clinics, animal homes and other such establishments where trained animal nurses are required.
- Further Information:** Ms. B.A. Ryan,
Department of Biological Sciences
Telephone: (01) 402 4563.



**DEPARTMENT OF CONTROL SYSTEMS
AND ELECTRICAL ENGINEERING**

K2321

**COURSE FOR THE ENGINEERING COUNCIL
PART 1 EXAMINATION**

- Description:** This is a two year evening course leading to the Engineering Council's Part I Examination. The scope and standard of this examination is not less than that of an examination set at a point about one third through a full-time engineering degree course.
- Content:** The course covers four compulsory subjects i.e. Presentation of Engineering Information, Mathematics, Mechanics and Properties of Materials and two optional subjects, Electrotechnics and Electronics.
- Entry Requirements:** Applicants must have successfully completed an approved Certificate or Technician course in the electrical/electronic field or be in possession of a qualification which the Institute deems equivalent.
- Duration:** Two years, three evenings per week.
- How to Apply/Enrol:** Applications should be made directly to:
Dr. J.C. Fisher, Head of Department of Control Systems and Electrical Engineering.
- Course Fee:** £400.
- Examinations:** Engineering Council's Part I examination.
- Award:** Engineering Council's Part I examination.
- Career Opportunities:** Eligibility for entry to the Engineering Council Part II course (K2322)
- Further Information:** Dr. J.C. Fisher,
Tel: (01) 402 4551.



K2322

COURSE FOR THE ENGINEERING COUNCIL PART II EXAMINATION

- Description:** This is a three year evening course leading to the Engineering Council's Part II Examination. The minimum pass standard of this examination is set at not less than that of an engineering degree.
- Content:** The Institute offers courses in a range of the Subjects for Part II (a) and a course for Part II (b).
- Entry Requirements:** Applicants must have passed, or have gained exemption from the Engineering Council's Part I Examination.
- Duration:** Three years, three or four evenings per week.
- How to Apply/Enrol:** Application should be made directly to:
Dr. J.C. Fisher, Head of Department of Control Systems and Electrical Engineering.
- Course Fee:** £400.
- Examinations:** The Part II Examination is in three parts:
Part II (a), in which the candidate must satisfy the examiners in an approved selection of five subjects chosen from various fields of engineering,
Part II (b), a compulsory paper – The Engineer in Society,
Part II (c), a project.
In addition, candidates must satisfy the examiners that they have completed laboratory and/or course work appropriate to the subjects which they have attempted.
- Award:** Engineering Council's Part II examination.
- Career Opportunities:** Candidates who successfully complete the entire Part II Examination are eligible for corporate membership of professional engineering institutions.
- Further Information:** Dr. J.C. Fisher,
Head, Department of Control Systems and Electrical Engineering.
Telephone: (01) 402 4551.



K233

ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS' COURSE

- Description:** An evening course which prepares students for the City and Guilds of London Institute Course 8030 examinations.
- Content:**
- Year One:**
Mathematics, Applied Mechanics, Electrical Engineering Principles, Engineering Graphics.
- Year Two:**
Mathematics, Applied Mechanics, Electrical Engineering Principles, Electrical Power, Electronics.
- Year Three:**
Field and Circuit Theory, Electrical Power, Electronics, Microprocessors and Control Systems.
- Entry Requirements:** Prospective students must:
(i) be employed in the electrical industry
(ii) have passed the Leaving Certificate with Physics or have an approved alternative qualification in the Electrical Trade.
- Duration:** Three years, three or four evenings per week.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below.
- Course Fee:** £330.
- Examinations:** Electrical and Electronic Engineering (course 8030) of the City and Guilds of London Institute.
- Year 1: Part I – Technician Certificate**
(i) Engineering, Communication and Science
(ii) Electrical Engineering Principles.
- Year 2: Part II – Technician Diploma**
(i) Electrical Engineering Principles
(ii) Electronics
and/or
(iii) Power.
- Year 3: Part III – Advanced Technician Diploma**
(i) Advanced Electrical Technology
(ii) Utilisation of Electrical Energy
and/or
(iii) Microelectronic Systems.
- Award:** Full City and Guilds of London Institute Certificate.
- Career Opportunities:** Successful students may be employed as technicians in the Electrical Engineering Industry.
- Further Information:** Dr. J.C. Fisher, Head,
Department of Control Systems and Electrical Engineering,
Telephone: (01) 402 4551.



DEPARTMENT OF ELECTRICAL INSTALLATION

Head of Department: John T. O'Donnell B.A. H.Dip.Ed.,
IEng (EC) MIElecIE. Telephone: (01) 402 4616.

K242

EVENING COURSES IN ELECTRICAL INSTALLATION WORK

- Description:** T13 City and Guilds Course 236 part 2, Electrical Installation Competences.
T14 City and Guilds Course 236 Course C in Electrical Installation Work.
- Content:** T13 Electrical Science, Electrical Craft Practice, Electrical Assignments.
T14 Electrical Science, Electrical Craft Practice, Project.
- Entry Requirements:** T13 Pass in Department of Education Junior Trade.
T14 Pass in City and Guilds course 236 part 2.
- Duration:** Three evenings per week for each course.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £330.
- Examinations:** T13 City and Guilds of London Institute Course 236 Part 2 Examination in Electrical Installation Competences.
T14 City and Guilds of London Institute Course C. Examination in Electrical Installation Work.
- Award:** City and Guilds of London Institute 236 Part 2 Certificate.
City and Guilds of London Institute 236 Course C Certificate.
- Career Opportunities:** Successful applicants have enhanced opportunities for advancement in the areas of design and management within the electrical industry.
- Further Information:** Mr. G. Murphy,
Assistant Head,
Department of Electrical Installation,
Telephone: (01) 402 4616.



K243

EVENING COURSE IN PROGRAMMABLE LOGIC CONTROLLERS (PLC'S)

- Description:** Programmable Logic Controllers are now commonly encountered by maintenance electricians and the course will cover all essential aspects of PLC's as encountered in industry.
- Content:** Stage A: Equipment and hardware. Principles of PLC operation. General programming procedures. Editing and Monitoring. Timers, counters and sequencers. Basic industrial process problems. Installation and safety.
Stage B: Programming techniques for various types of PLC. PC programming software. Operation with peripheral devices. Numerical processing, sequencing and machine control. Industrial process problems. Troubleshooting and maintenance.
- Entry Requirements:** Prospective students must be electrical craftspersons in the electrical industry.
- Duration:** Stage A: One night per week for approximately ten weeks.
Stage B: One night per week for approximately ten weeks.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £150.
- Examinations:** None.
- Award:** Certificate of Satisfactory Completion.
- Career Opportunities:** A good working knowledge of PLC's will considerably enhance career prospects.
- Further Information:** Mr. Michael Maher IEng MIEIE FTC (EEP) CGLI
Department of Electrical Installation.
Telephone: (01) 402 4904.



K244

INTRODUCTION TO COMPUTER-AIDED DRAUGHTING

- Description:** The course is aimed at electrical apprentices who wish to develop skills in computer-aided draughting and design.
- Content:** Hardware and software requirements. DOS functions. Use of AutoCAD software package for production of 2-D drawings, scaling, dimensioning, creation of layers, and addition of text.
- Entry Requirements:** Applicants should have a basic knowledge of engineering drawing and, preferably, be electrical apprentices.
- Duration:** 2 hours/week for 10 weeks (evenings).
- How to Apply/Enrol:** Applicants should apply to the Department of Electrical Installation.
- Course Fee:** £150.
- Examinations:** Assessments will be conducted on a regular basis during the course.
- Award:** Successful participants will receive a certificate of course completion and assessments passed.
- Career Opportunities:** Opportunities exist in drawing offices of consultants and electrical contractors for qualified electricians who possess CAD skills.
- Further Information:** Mr. Pat Gough, Final(EEP) CGLI, Final(EEP) Dept. of Ed. Department of Electrical Installation, Phone: 402 4903 .



K245

EVENING COURSES FOR UPDATING ELECTRICAL INSTALLATION TECHNOLOGY AND E.T.C.I. RULES

- Description:** The courses deal with recent developments within the field of Electrical Installation Technology, and the latest edition of E.T.C.I. Rules for Electrical Installations.
- Content:** Intermediate Course: This course deals with recent developments in the field of electrical installation technology and also gives an introduction to the format and contents of the E.T.C.I. Rules.
Advanced Course: This course deals with the application of the E.T.C.I. Rules in electrical design and in electrical installation activities.
- Entry Requirements:** Prospective students must be electrical craftspersons in the electrical industry.
- Duration:** Intermediate course, one night per week for approximately ten weeks. Advanced course, one night per week for approximately ten weeks.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** Intermediate £150; Advanced £170.
- Examinations:** None.
- Award:** Certificate of Satisfactory Completion.
- Career Opportunities:** An up-to-date knowledge of the current ETCI rules is essential for many personnel in the electrical industry.
- Further Information:** Mr. John O'Brien
Department of Electrical Installation,
Telephone: (01) 402 4616.

**K246****CRAFT BASED TECHNICIAN CERTIFICATE - ELECTRICAL INSTALLATION TECHNOLOGY**

- Description:** The course is designed to provide the student with a comprehensive knowledge of electrical installation and contracting practice from the planning stage to the commissioning of the completed installation.
- Content:**
Year 1
 Electrical Science, Electrical Craft Practice, Mathematics, Laboratory/Workshop, Computers in Electrical Contracting.
Year 2
 Electrical Science, Electrical Craft Practice, Computers in Electrical Contracting, Laboratory/Workshop.
Year 3
 Electrical Craft Practice, Electrical Draughting and Drawing, Office Procedures, Labour Relations and Management, Financial and Legal Aspects of Contracting, Marketing, Estimating and Tender Preparation, Planning and Carrying out Installations, Project Work.
- Entry Requirements:** Prospective students must (i) have completed at least three years of an approved electrical apprenticeship, (ii) have obtained the Department of Education Senior Trade Certificate in Electrical Engineering or equivalent, and (iii) satisfy an interview board of their ability to benefit from the course. In exceptional cases, applicants who do not satisfy the above requirements may be accepted on the submission of an acceptable curriculum vitae.
- Duration:** Three years.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £330.
- Examinations:** Institute examinations will be held each year and progress from year to year of the course will be contingent on achieving a pass in the previous examination.
- Award:** DIT Certificate.
- Career Opportunities:** It is envisaged that graduates of the course would obtain employment as estimators, supervisors, or contracts managers within the Electrical Contracting Industry.
- Further Information:** Mr. J.T. O'Donnell, Head, Department of Electrical Installation, Telephone: (01) 402 4616.

**K247****EVENING COURSE FOR UPDATING IN ELECTRICAL INSTALLATION TECHNOLOGY - LIGHT-CURRENT APPLICATIONS**

- Description:** Electricians encounter electronics to an increasing degree in electrical installation and electrical maintenance work. The course will deal with these developments in a practical way.
- Content:** Recent developments in the light-current area appropriate to electricians will be dealt with, and coverage will include transducers, motor-speed controllers, and other electronic systems.
- Entry Requirements:** Prospective students must be electrical craftspersons in the electrical industry.
- Duration:** One night per week for approximately ten weeks.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £150.
- Examinations:** None.
- Award:** None.
- Career Opportunities:** Electricians with a good knowledge of electronics considerably enhance career prospects.
- Further Information:** Mr. Richard McCann BA HDipEd Final (EEP) Dept Ed. Department of Electrical Installation. Telephone: (01) 402 4896.

**K2481****UPDATING COURSE FOR DEPARTMENT OF EDUCATION JUNIOR TRADE EXAMINATIONS**

- Description:** TJP1 (Autumn Term) or TJP2 (Spring Term): Updating course for Department of Education Junior Trade Certificate in Electrical Science.
TJC1 (Autumn Term) or TJC2 (Spring Term): Updating course for Department of Education Junior Trade Certificate in Electrical Practice.
- Content:** TJP1 or TJP2 Electrical Science.
TJC1 or TJC2 Electrical Craft Practice.
- Entry Requirements:** Applicants must previously have covered a Junior Trade level course in Electrical Installation Work.
- Duration:** One evening per week for approximately 10 weeks for each module.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £120 per module.
- Examinations:** Department of Education Junior Trade.
- Award:** Department of Education Junior Trade Certificate.
- Career Opportunities:** The Department of Education Junior Trade Certificate is an essential requirement for the award of the National Craft Certificate (NCC). Possession of the NCC considerably enhances career prospects and mobility for electricians.
- Further Information:** Mr. F. Dillon, Assistant Head,
Department of Electrical Installation.
Tel: (01) 402 4618.

**K2482****UPDATING COURSE FOR DEPARTMENT OF EDUCATION SENIOR TRADE EXAMINATIONS**

- Description:** TSP1 (Autumn Term) or TSP2 (Spring Term): Updating course for Department of Education Senior Trade Certificate in Electrical Science.
TSC1 (Autumn Term) or TSC2 (Spring Term): Updating course for Department of Education Senior Trade Certificate in Electrical Craft practice.
- Content:** TSP1 or TSP2: Electrical Science.
TSC1 or TSC2: Electrical Craft Practice.
- Entry Requirements:** Applicants must previously have covered a Senior Trade level course in Electrical Installation Work.
- Duration:** TSP1, TSP2, TSC1, TSC2: One evening per week for approximately 10 weeks for each module.
- How to Apply/Enrol:** Application should be made on the enclosed form to the Department below on or before 30 August 1996.
- Course Fee:** £150 per module.
- Examinations:** Department of Education Senior Trade.
- Award:** Department of Education Senior Trade Certificate.
- Career Opportunities:** The Department of Education Senior Trade Certificate is an essential requirement for the award of the National Craft Certificate (NCC). Possession of the NCC considerably enhances career prospects and mobility for electricians.
- Further Information:** Mr G. Murphy,
Assistant Head,
Department of Electrical Installation,
Telephone: (01) 402 4630.



DEPARTMENT OF LANGUAGES AND INDUSTRIAL STUDIES

Acting Head of Department: Dermot Campbell
Telephone: (01) 402 4610

K251

MODERN LANGUAGES FOR SPECIALIST PURPOSES

Description:

A course in language training for scientists, engineers or business people. The emphasis will be on language skills relevant to the professional needs of the student groups.

Content:

Courses will be held in French, German or Spanish. If the demand for other languages is adequate, courses may be arranged.

Entry Requirements:

Irish Leaving Certificate or equivalent in the modern language, French, German or Spanish.

Duration:

One year course. Two evenings per week, two hours each evening – 18.00 to 20.00 hrs.

How to Apply/ Enrol:

Application should be made directly to:
Department of Languages and Industrial Studies,
Telephone: (01) 402 4610.

Course Fee:

£450.

Examinations:

In-house examinations.

Award:

In-house certificate of attendance and attainment.

Career Opportunities:

This course is designed to enhance the linguistic skills of people in employment or seeking employment in an international environment.

Further Information:

Departmental Secretary
Tel: +353-1-402 4610 Fax: +353-1-402 4994.



K252

COURSES IN MODERN LANGUAGES FOR VOCATIONAL/SPECIALIST PURPOSES

- Description:** A course in the practical use of a foreign language, oral proficiency and background knowledge of the country of the foreign language.
- Content:** The languages offered are French, German, Spanish, Italian and Russian. Students may decide to take examinations such as those set by a Chamber of Commerce, the Institute of Linguists or the Royal Society of Arts.
- Entry Requirements:** (a) Level 1: no previous knowledge of the language required.
(b) Level 2: Leaving Certificate or the equivalent in the modern language.
(c) Level 3: Either a University degree in the language, or a recognised equivalent qualification in the language.
- Duration:** One year course. Two evenings per week, two hours each evening – 18.00 to 20.00 hrs.
- How to Apply/Enrol:** Application should be made directly to:
Department of Languages and Industrial Studies.
Telephone: (01) 402 4610.
- Course Fee:** £450 per year.
- Examinations:** Students may opt to take vocational examinations offered by such bodies as Chambers of Commerce or RSA.
- Award:** In-house certificate of attendance and attainment. In addition, successful candidates may obtain an external language qualification in the business area with international recognition.
- Career Opportunities:** The examinations indicated above certify a successful candidate's ability to function effectively in a business environment at "executive assistant" level.
- Further Information:** Departmental Secretary
Tel: +353-1-402 4610 Fax: +353-1-402 4994.



K253

DIPLOMA IN TRANSLATION

- Description:** A course in translation techniques and practice leading to the Diploma in Translation offered by the Institute of Linguists Education Trust.
- Content:** Theory of translation and practice in translation techniques into and out of the foreign language.
- Entry Requirements:** *Either* (a) A university degree in French, German, Spanish or Italian
or
(b) A recognised equivalent qualification.
- Duration:** One Year (October 1996 to November 1997). Two evenings per week – two hours each evening 18.00 to 20.00 hrs.
- How to Apply/Enrol:** Application should be made directly to:
Department of Languages and Industrial Studies.
Telephone: (01) 402 4610.
- Course Fee:** £450.
- Examinations:** Students may sit the external Diploma in Translation examination offered by Institute of Linguists Trust, London.
- Award:** Diploma in Translation, Institute of Linguists Trust, London.
- Career Opportunities:** The Diploma in Translation is a professional qualification in translation with international recognition. Successful candidates may find full-time or part-time employment as professional translators.
- Further Information:** Departmental Secretary
Tel: +353-1-402 4610 Fax: +353-1-402 4994.



K254

POST-GRADUATE DIPLOMA IN APPLIED LINGUISTICS

- Description:** A post-graduate course in applied linguistics for teachers of modern languages, or English as a foreign language, leading to the award of a Post-Graduate diploma in Applied Linguistics. The course is primarily intended for experienced graduate teachers of French, German or English. It is designed to allow them to examine and evaluate their language teaching in the light of linguistic theories and is not intended as a practical course in language teaching methodology, except for the component related to the teaching of English as a foreign language.
- Content:** Applied linguistics and theory of foreign language teaching for practitioners.
- Entry Requirements:** (a) A primary degree in a modern European Language or in English. (b) A minimum of two years' experience of teaching German or French or English. Applications will be considered from graduates in other European languages.
- Duration:** One year, two evenings per week, Tuesday/Thursday, two hours each evening – 18.00 to 20.00 hrs.
- How to Apply/Enrol:** Applications should be made directly to:
Department of Languages and Industrial Studies.
- Course Fee:** £600.
- Examinations:** Externally validated College examination. It is intended that application be made to have this examination recognised at a future date for a DIT award.
- Award:** Currently: Post-graduate Diploma in Applied Linguistics.
- Career Opportunities:** Successful candidates will enhance their employment prospects in the area of language teaching.
- Further Information:** Department of Languages and Industrial Studies,
Telephone: (01) 402 4610.

Note: The Department will provide language courses on an intensive or extensive basis to meet the requirements of particular groups in terms of time, language level or orientation. Applications should be made directly to the Head of the Department.



DEPARTMENT OF MATHEMATICS, STATISTICS AND COMPUTER SCIENCE

Head of Department: J.M. Golden B.Sc, M.Sc, PhD.
Telephone: (01) 402 4611.

K261

MATHEMATICS FOR ENGINEERING

(This course will be offered subject to demand).

- Description:** A two-stage course covering the requirements for the Intermediate and Advanced Technological Examinations of the Department of Education.
- Content:** Department of Education syllabus.
- Entry Requirements:** Contact Department below.
- Duration:** Two stages each of one year, one evening (three hours) per week.
- How to Apply Enrol:** Contact Department below.
- Course Fee:** First Year £330, Second Year £230.
- Examinations:** The Intermediate Stage Examination in Mathematics of the Department of Education at the end of the first year. The Advanced Technological Certificate Examination in Mathematics of the Department of Education at the end of the second year.
- Further Information:** Department of Mathematics, Statistics and Computer Science. Tel: (01) 402 4610.

K262

MATHEMATICS FOR TELECOMMUNICATIONS

- Description:** A range of mathematical topics appropriate to the Telecommunications Technician Courses of the City and Guilds of London Institute.
- Content:** City and Guilds syllabus.
- Entry Requirements:** Contact Department below.
- Duration:** 5 years, one evening per week (1.5 hours per week for the first year; 2 hours per week in the second, third, fourth and fifth years).
- How to Apply Enrol:** Contact Department below.
- Course Fee:** £230.
- Award:** City and Guilds of London Institute Telecommunication Technicians' Course Examinations in Mathematics (Mathematics T1,T2,T3,T4,T5) at the end of each year.
- Further Information:** Department of Mathematics, Statistics and Computer Science. Telephone: (01) 402 4610.
- Note:* This course will be offered subject to demand.



K263

CERTIFICATE IN MATHEMATICS/ LICENTIATESHIP OF THE INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS

- Description:** The Certificate in Mathematics has a two-fold objective. It is seen as providing the necessary modern mathematical foundations for entry to the honours degree level Diploma/Graduateship in Mathematics and additionally it is designed to provide a useful core of modern mathematics for second-level teachers and others who may require such mathematics but who do not need the full range of mathematics usually associated with an honours degree.
- Students who successfully complete the course should have:
- (i) A sound grasp of mathematical methods/analysis and modern algebra.
 - (ii) A wide range of the mathematical techniques normally used in various applied mathematical fields.
 - (iii) A basic knowledge of computer science and programming, and experience of using the various micro-computer systems.
 - (iv) A sound knowledge of basic data presentation and its statistical analysis.
 - (v) Reached an appropriate level of mathematical maturity to enable progression to honours degree standard courses in mathematics.
- Content:**
- Year 1**
The first year is a preliminary course provided for candidates who wish to improve their knowledge. No formal examination is provided.
- Year 2**
The course consists of two topics:
(a) Mathematical Methods and Analysis
(b) Computer Science and Programming.
- Year 3**
The course consists of two topics:
(a) Statistics
(b) Algebra.
- The second and third year courses are offered on alternate years. The second year course will be run in 1996/97.
- Entry Requirements:** A pass in English, a pass in Honours Mathematics and a pass in three other subjects in the Irish Leaving Certificate examination or any such qualification as the Institute may deem equivalent. Students with a suitable background may be exempted from the first year of the course.



- Duration:** Three years, one evening (3 hours) per week in the first year and two evenings (6 hours) per week in subsequent years.
- How to Apply/Enrol:** Contact Department below.
- Course Fee:** Years 1 and 2 £370; Year 3 £390.
- Examinations:** Examinations are set in August/September for those students completing second and third years of the course.
- Award:** Graduates of this course are eligible for the award of Certificate in Mathematics (Dublin Institute of Technology). Successful candidates will be eligible to apply for Licentiatehip of the Institute of Mathematics and its Applications. The course content should be particularly useful to teachers of Mathematics at second-level.
- Further Information:** Mr. A. Byrne,
Department of Mathematics, Statistics and Computer Science,
Telephone: (01) 402 4824 (01) 402 4610.
This course will be offered subject to demand.

**K264****GRADUATESHIP OF THE INSTITUTE OF STATISTICIANS**

- Description:** A course leading to the Graduate Diploma in Statistics of the Institute of Statisticians. Classes are provided for students preparing for the Ordinary Certificate, the Higher Certificate and Graduate Diploma Examinations of the Institute. The course has been used for in-service training for people working with statistics in Industry, Education and the Civil Service. Graduates are qualified for entry to Higher Degrees by examination or through research.
Exemptions may be granted from the Ordinary and Higher Certificate.
Examinations to Candidates with suitable qualifications. Students are advised to contact the Education Secretary, The Institute of Statisticians, Education and Membership Department, 43 St. Peter's Square, Preston, Lancashire, England PR1 7BX, for details of the exemption procedures.
- Content:** **Year 1:** The Ordinary Certificate in Statistics examination at the end of the year involves two papers covering the collection and compilation of Data, Analysis and Interpretation of Data and Presentation of Results.
Year 2: The Higher Certificate in Statistics Examination at the end of the year involves three papers:
(a) Statistical Theory (b) Statistical Analysis
(c) Statistical Applications and Practice.
Year 3: Two of the five papers forming the Graduate Diploma in Statistics Examination are covered in this year. The papers are:
(a) Statistical Theory and Methods 1;
(b) Statistical Theory and Methods 2.
Year 4: The remaining three papers of the Graduate Diploma in Statistics are covered this year. The papers are:
(a) Applied Statistics 1 (b) Applied Statistics 2
(c) Optional Subject Paper.
- Entry Requirements:** Contact Department below.
- Duration:** Four years, three evenings (9 hours) per week in the second and third years and two evenings (6 hours) per week in the first and fourth years.
- How to Apply/Enrol:** Contact Department below.
- Course Fee:** £600 per annum.
- Examinations:** The Ordinary Certificate examinations,
The Higher Certificate examinations,
The Graduate Diploma examinations.



Award: Graduate Diploma in Statistics of the Institute of Statistics.
Further Information: Mr. I.A. Kinsella,
 Department of Mathematics, Statistics and Computer Science,
 Telephone: (01) 402 4839 or (01) 402 4610.

This course will be offered subject to demand.



K265

DIPLOMA IN MATHEMATICS/GRADUATESHIP OF THE INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS

Description: The Diploma in Mathematics is designed to introduce students to a range of modern pure and applicable mathematics at a level similar to that of a traditional honours degree. The course content is suitable for secondary teachers who wish to improve their mathematical standard from general or pass degree to honours degree standard.

Graduate membership by examination of the Institute of Mathematics and its Applications is widely accepted as equivalent to an honours degree in Mathematics. Such Graduates are qualified for employment in Industry, Education and the Civil Service where degree level mathematics is the essential entry requirement. Such Graduates are also eligible to proceed to post-graduate study and research for higher degrees.

Content: The course consists of four topics, three of which will be compulsory. Examinations will be held in the Autumn and candidates will normally sit examinations at the end of each year.

Year 1: (a) Advanced Mathematical Methods (b) Topology and Functional Analysis.

Year 2: (a) Mathematical Control Theory (b) Optional Topic from an approved list.

The first and second year courses are offered on alternate years. The second year course will run in 1996/97.

Entry Requirements: The Certificate in Mathematics of the Dublin Institute of Technology or Licentiate membership of the Institute of Mathematics and its Applications or a University Degree with Mathematics at the General Degree level or its equivalent.

Duration: Two years, two evenings per week.

How to Apply/Enrol: Contact Department below.

Course Fee: Year 1: £370; Year 2: £390.

Examinations: Examinations are set in August/September for students completing the current year of the course.

Award: Graduates of this course are eligible for the award of Diploma in Mathematics (Dublin Institute of Technology). Successful candidates will be eligible for Graduate Membership of the Institute of Mathematics and its Applications.

The address of the Institute of Mathematics and its Applications (IMA) is: Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex SS1 1EF.

Further Information: Ms. M. Maguire,
 Department of Mathematics, Statistics and Computer Science,
 Telephone: (01) 402 4842 or (01) 402 4610.

COURSE FOR THE EXAMINATIONS OF THE BRITISH COMPUTER SOCIETY

Description: The British Computer Society is a professional body whose brief is to promote various aspects of the computer industry and of the personnel who work in the industry. This includes the provision of computer-education and examinations.

The syllabus and examinations are provided by the British Computer Society. The role of the Institute is to provide a course of lectures based on their syllabus and an Examination Centre.

Content: Part 1: Students are required to pass:
 2 Compulsory papers
 2 Optional papers.

Lectures 1996/97 – Two Compulsory Papers
 – General Paper I
 – General Paper II . Option – Mathematics of Computing.

Lectures 1997/98 – Options
 – Fundamentals of Computer Technology
 – Analysis, Design and Development of Information
 – Programming
 – Computer Management.

A project is normally undertaken at the work place and may be submitted at any time during the period of study.

Part 2: Students must pass three papers taken from two options – each option has two papers associated with it:

Options:
 Data Processing and Information Systems
 Management in Computing

Part 2 examinations are set at Honours Degree level.

Entry Requirements: One year's experience in the Computer Industry.

Duration: Four years – two years for each part – but it is possible to complete the course in a shorter period. Two evenings per week, 7.00 - 10.00 p.m.

How to Apply/ Enrol: (a) Applicants should complete the Preliminary Application Form available on request from The Secretary, Department of Mathematics, Statistics and Computer Science, Dublin Institute of Technology, Kevin Street, Dublin 8. The application should detail academic qualifications and computer experience. Entry to the course is confined to those who are working (or who have worked) for a period of at least one year in the Computer Industry at an appropriate level.

(b) Successful applicants must:
 (i) become a student of the British Computer Society or Irish Computer Society.

(ii) Register with B.C.S., P.O. Box 1454, Station Road, Swindon SN1 1TG United Kingdom.

You should obtain a registration form, syllabus and regulations from the BCS in advance. This literature is available free.

(c) If any student wishes to do any part of exams in April 1997, the registration with the BCS must be completed by the end of October 1996.

(d) Once a student is registered, he/she will be asked annually, whether he/she intends sitting for examination in the following April. Examination fees must then be paid (UK rates) to the BCS. Part I £400; Part II £420.

Course Fee:

Examinations:

Exemption from Part 1 may be available to students who have already completed an academic course of at least general degree level or a 3 year Diploma in Computer Science. Application for exemptions must be made directly to B.C.S.. Graduates of DIT Kevin Street Diploma Course (DT266) are usually eligible for full exemption from Part 1, as are graduates of Advanced Diploma in Programming (Trinity College).

Award:

Part 1:

Students who successfully complete the examinations of PART 1 are awarded the Licentiate of the British Computer Society and subject to various conditions are eligible for Associate Membership of the British Computer Society.

In 1989 one of our students, Mr. F. Peelo, was awarded the Ferranti Prize as the student who achieved highest aggregate mark in the world-wide examinations of the Society in PART 1. In 1992 Mr. Paul Lahert won the Sidney Michaelson award for best project in Part I and also in 1992, Mr. John Lynch was runner-up for the Ferranti Part 2 Prize for the highest aggregate marks in Part 2.

Part 2

Students who successfully pass the examinations of PART 2 are eligible for Membership of the British Computer Society, through examination, which is a professional qualification of Honours degree standard. Success in the Examinations of Part 2 is recognised by the Department of Education for the Honours allowance for teachers.

Progression to senior positions in the Computer Industry.

Career Opportunities:

Further Information:

Department of Mathematics, Statistics and Computer Science.
 Tel: (01) 402 4610.

**K268****COURSE IN COBOL PROGRAMMING /4GLS**

- Description:** This is a one-year introductory course to Cobol Programming /4GLS for those already familiar with another programming language.
- Content:** (1) Introduction to Computer Architecture and Operating Systems
(2) Business Studies
(3) Cobol Language
(4) Access.
Computer facilities will be provided by the Institute.
Familiarity with computer applications and programming.
- Entry Requirements:**
- Duration:** One year, 3 hours per week.
- How to Apply/Enrol:** Students are expected to be already able to programme in some language prior to taking this course.
Applicants should apply by submitting a Curriculum Vitae, detailing any academic qualifications together with details of their computer experience to:
The Secretary, Department of Mathematics, Statistics and Computer Science, Dublin Institute of Technology, Kevin St, Dublin 8.
Telephone: (01) 402 4610.
- Course Fee:** £230 per annum.
- Examinations:** Portfolio of course-work.
- Award:** Students will be expected to prepare working programmes on a regular basis which will be the basis for assessment. No formal examination or qualification is provided. Successful students will be awarded a certificate stating that they have completed the course.
Note: Since the course is filled on a first-come-first-served basis and is generally over subscribed, you are advised to apply with C.V. as soon as possible.
- Further Information:** Department of Mathematics, Statistics and Computer Science.
Tel: (01) 402 4610.

**DEPARTMENT OF PHYSICS**

Head of Department: Mathew Hussey BE MS PhD CPhys
CEng FIEE. Telephone: (01) 402 4560

K271**TECHNICIAN CERTIFICATE IN MEDICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT**

- Description:** This is a course for those who work in Medical Physics or who are engaged in various aspects of Physiological Measurement or Bio-engineering. It will be of interest to those working in hospitals, research and certain types of veterinary, pharmaceutical and agricultural work. The course in the first year deals with the basic sciences and in subsequent years with the general range of Physiological Measurement, Bio-engineering and Radioisotope techniques normally used in these situations. Students must be working in an appropriate area, such as those indicated, to be considered for admission into this course.
- Content:** **First Year:** Basic Mathematics, Basic Biology and Anatomy of the Human Body, Chemistry, Physics of Medical Instrumentation I, Computing, Anatomy of the Human Body, Physics of Medical Instrumentation II, Biochemistry/Physiology, Electronics I, Electrical Measurements, Ionizing Radiation, Physiology, Summer Project/Project Talk.
Second Year: Physiology II, Ionizing Radiation Physics II, Electronics, Computing II, Physics of Measurement Systems, Lung Function Systems, Advanced Cardiac Measurements, Physiology/Pathology, Advanced Cardiac Measurements/Electroencephalography/Lung Function Systems II/Vascular Measurement, Summer Project/Project Talk.
- Entry Requirements:** Pass in English, pass in Mathematics (or Applied Mathematics) and pass in three other subjects in the Leaving Certificate Examination or an equivalent qualification.
- Duration:** Two years (with lectures on Saturdays and Project work) from September until September of the following academic year.
- How to Apply/Enrol:** Application forms should be sent directly to Mr. P. G. Goodman, Department of Physics, to arrive not later than Friday 30th August 1996.
- Course Fee:** £400.
- Examinations:** The course is comprised of 12 modules per year with an examination in each module together with project work.
- Award:** Graduates of this course are eligible for the award of Technician Certificate in Medical Physics and Physiological Measurement (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.



Career
Opportunities:
Further
Information:

The Certificate is a major help towards career advancement in the health service.

Mr. P. G. Goodman,
Department of Physics,
Telephone: (01) 402 4782.



DEPARTMENT OF ELECTRONIC AND COMMUNICATIONS ENGINEERING

K281

ELECTRONIC SERVICING (INDUSTRIAL EQUIPMENT, RADIO, TELEVISION AND AUDIO EQUIPMENT)

- Description:** This course is designed to prepare students for the Parts 1, 2 and 3 Examinations of the City and Guilds of London Institute Electronic Servicing Course 224 and the EEB practical examinations.
- Content:** The course subjects include Electricity, Electronics, Radio, Television, Measurements and Control Systems, together with Mathematics and Mechanical Workshop Practice. A systems approach is used with a strong emphasis on the practical aspects and a restricted use of analysis.
- Entry Requirements:** A pass in the Leaving Certificate of the Department of Education, with Maths and English as essential subjects. Prospective students should be employed as trainees or apprentices in the electronics or telecommunications industry.
- Duration:** Three years, part-time (one day per week – 8 hours in first year; one day plus two evenings per week – 14 hours in other years).
- How to Apply/
Enrol:** Applications should be made directly to:
Mr. V. Thorne, Department of Electronic and Communications Engineering.
- Course Fee:** £330.
- Examinations:** The Part 1 Examination is taken at the end of the first year. The Part 2 Examination is taken at the end of the second year. Part 2 options are Television and Controls. The Part 3 Examination is taken at the end of the third year. The Part 3 options are TV/Video/Radio and Audio/Digital/Microprocessors/Measurement, Controls/Instruments and Testing and Satellite Systems.
- All three Parts include a practical examination set by the Electronics Examination Board (EEB), London.
- Award:** Certificate in Electronic Servicing (City and Guilds – 224).
Career Opportunities: In Manufacturing and Servicing in Electronics Industry.
- Further Information:** Mr. V. Thorne,
Department of Electronic and Communications Engineering,
Telephone (01) 402 4575.

**K282****COURSE IN ELECTRONIC EQUIPMENT MAINTENANCE**

- Description:** This course is appropriate for those who are employed in industry and who are involved in the maintenance and repair of electronic equipment, and in particular of equipment employing microprocessors.
- The course is designed to provide a broad general introduction to both analogue and digital electronics, and a detailed treatment of the practical aspects of microcomputer technology.
- Content:** Digital electronics and microprocessors.
- Entry Requirements:** Entry to the course is restricted to those who are employed in the maintenance of electronic equipment.
- Duration:** Three years. Attendance is required on two evenings per week.
- How to Apply/Enrol:** Application should be made directly to:
Mr. V. Thorne, Department of Electronic and Communications Engineering.
- Course Fee:** £330.
- Examinations:** At the end of the first year students will be eligible to sit for Part I of the City and Guilds of London Institute's MICROCOMPUTER TECHNOLOGY (223) Certificate Examinations.
- At the end of the second year students will be eligible to sit for Part II MICROCOMPUTER TECHNOLOGY (223) Certificate Examinations.
- At the end of the third year students will be eligible to sit for Part III MICROCOMPUTER TECHNOLOGY (223) Certificate Examination in System Design and Faultfinding.
- Award:** Certificate in Electronic Equipment Management (City and Guilds - 223).
- Career Opportunities:** In manufacturing, installation and servicing in Computer Industry.
- Further Information:** Mr. V. Thorne,
Department of Electronic and Communications Engineering,
Telephone: (01) 402 4575.

**K283****TELECOMMUNICATIONS AND ELECTRONICS ENGINEERING CERTIFICATE AND DIPLOMA**

- Description:** The programme is modular in structure and is designed to provide a progressive route to an advanced technician qualification of City and Guilds International. This progression is via a Technician Certificate, a Technician Diploma and an Advanced Technician Diploma.
- Content:**
- The Technician Certificate:**
The first level contains four subjects: Mathematics, Physical Science, Telecommunications Systems and Communications Studies. The subjects may be studied separately or in combination and City and Guilds International issues a Unit Credit Certificate on successful completion of each element. On successful completion of the four subjects, the Telecommunications Electronics Engineering Certificate is awarded.
- The Technician Diploma:**
The second level contains four subjects: Mathematics, Telecommunications Principles, Electronics and either Microelectronic Systems or Radio. The subjects may be studied separately or in combination and each is examined at two levels, Level II and Level III. On successful completion of the four subjects at the two levels the Telecommunications and Electronics Engineering Diploma is awarded.
- The Advanced Technician Diploma:**
The final level contains three core subjects: Mathematics, Telecommunications Principles and Electronics. These subjects are examined at one level only. In addition, option subjects may be studied and these are examined at two levels, Level IV and Level V. The option subjects at Level IV are Radio and Microelectronic Systems and the option subjects at Level V are Telecommunications Principles, Mathematics, Data Communications, Radio and Satellite Systems, Microelectronic Systems, Software Engineering and Fibre Optic Equipment and Systems. The Advanced Diploma is awarded following successful completion of the three core subjects together with one option subject at Level IV and three option subjects at Level V.
- A documented period of two years work experience together with the Diploma and Advanced Diploma leads to the award of the Full Technological Diploma (FTD) of City and Guilds International.
- Entry Requirements:** Irish Leaving Certificate in five subjects which must include Mathematics and English or a qualification deemed equivalent.
- Duration:** The Course is based on a credit accumulation system. The normal duration for each of the award levels is:

1 year – Technician Certificate
 2 years – Technician Diploma
 2 years – Advanced Technician Diploma.

**How to Apply/
Enrol:**

Applications should be sent directly to:
 Mr. M. Gara, Department of Electronic and Communications
 Engineering, to arrive not later than Friday 6th September 1996.

Course Fee:

£330.

Examinations:

Certificate/Diploma/Advanced Diploma (City and Guilds 2720).

Award:

Certificate/Diploma/Advanced Diploma (City and Guilds 2720).

Career

Opportunities:

City and Guilds has over many years conducted examinations in Electronics and Telecommunications which have set the standard in providing widely accepted routes to technician qualifications by means of part-time study. This course with its range of option subjects offers a range of qualifications which prepares students for employment as technicians in virtually all sectors of the electronics and telecommunications industry.

**Further
Information:**

Mr. M. Gara,
 Department of Electronic and Communications Engineering,
 Telephone: (01) 402 4803.

DEPARTMENT OF CHEMISTRY

Head of Department, Noel Russell BA (Mod) Ph.D. Hdip.Ed.,
 CChem.F.R.S.C.
 Telephone: (01) 402 4570 Fax: (01) 402 4989.

K292

DIPLOMA/DEGREE BSc(CHEMICAL SCIENCES)/GRSC

Description:

The course extends over five semesters. The aim is to provide a pathway for graduates with pass degree or LRSC standard qualifications to proceed to an honours degree qualification and so be eligible for the professional award of GRSC.

Content:

Inorganic Chemistry
 Organic Chemistry
 Physical Chemistry
 Analytical Chemistry

The modules are covered over the four semesters. For the fifth semester each student undertakes a research/ development project.

**Entry
Requirements:**

- (i) Technician Diploma in Applied Science (Chemistry) from DIT with Merit or Distinction *or*
- (ii) a merit level achievement in a General Degree Programme from a recognised university, having chemistry as a final year subject *or*
- (iii) a pass degree from a recognised university having chemistry as a final year subject followed by at least one year of relevant experience in a chemical or related industry *or*
- (iv) the Licentiatehip of the Royal Society of Chemistry (LRSC) achieved through examination *or*
- (v) the GRSC (Part 1) and GRSC Practical with examination *or*
- (vi) the HNC/D and Certificate in Applied Chemistry (CAC) with appropriate bridging studies were required.

Duration:

Five semesters part-time (two years). The programme may also be taken on a full-time basis over three semesters (DT299).

**How to Apply/
Enrol:**

Application forms should be sent directly to:
 Dr. Noel Russell, Department of Chemistry to arrive not later than Friday 30th August 1996.

Course Fee:

£390 per year.

Examinations:

Diploma/Degree B.Sc(Chemical Sciences).

Award:

Those who successfully complete this course are eligible for the following awards:
 Diploma in Chemical Sciences (DIT)
 B.Sc (Chemical Sciences) (DCU), both with honours

Career Opportunities:

classification. Graduateship of the Royal Society of Chemistry. Graduates are eligible to apply for MSc and PhD Programmes at universities and research institutes throughout Europe and America. Alternatively graduates may decide to enter directly into the wide ranging chemical industry. Many of our graduates are to be found holding senior positions in industry in Ireland and abroad.

Further Information:

Dr. Noel R. Russell,
Chemistry Department,
Telephone: (01) 402 4570
Fax: (01) 402 4989.

OTHER PART-TIME COURSES

The Dublin Institute of Technology also offers an extensive range of Part-Time Courses at its other Centres

Accounting – Chartered Institute of Management Accountants	<i>Aungier St</i>
Accounting – Diploma in Credit Management	<i>Aungier St</i>
Accounting – Institute of Accounting Technicians in Ireland	<i>Aungier St</i>
Accounting – Institute of Certified Public Accountants in Ireland	<i>Aungier St</i>
Accounting – The Chartered Association of Certified Accountants	<i>Aungier St</i>
Advertising – Diploma in Advertising (JAEC)	<i>Aungier St</i>
Aeronautics – See Transport	<i>Bolton St.</i>
Art – An Overview of 20th Century Art	<i>Mountjoy Sq.</i>
Art – Life Drawing and Painting	<i>Mountjoy Sq.</i>
Art – Public Art	<i>Mountjoy Sq.</i>
Art – A Survey of Contemporary International Art Practices	<i>Mountjoy Sq.</i>
Art – Women in Art History	<i>Mountjoy Sq.</i>
Automobiles – See Transport	<i>Bolton St.</i>
Building – Building Maintenance Management (Modular)	<i>Bolton St.</i>
Building – Building Technology	<i>Bolton St.</i>
Building – Craft Based Technician Course in Building	<i>Bolton St.</i>
Business – Start Your Own Business	<i>Mountjoy Sq.</i>
Business – National Diploma in Business Studies (Training and Development)	<i>Aungier St</i>
Business – National Diploma in Business Studies	<i>Mountjoy Sq.</i>
Carpentry – Carpentry and Joinery (Advanced)	<i>Bolton St.</i>
Carpentry – Woodturning	<i>Bolton St.</i>
Carpentry – Timber Technology (Institute of Wood Science Certificate)	<i>Bolton St.</i>
Carpentry – Woodcutting Machinists Course	<i>Bolton St.</i>
Catering – Advanced Chef Modular Programme (Ethnic Cookery)	<i>Cathal Brugha St.</i>
Catering – Advanced Chef Modular Programme (Fish and Sauce)	<i>Cathal Brugha St.</i>
Catering – Advanced Chef Modular Programme (Kitchen Management)	<i>Cathal Brugha St.</i>
Catering – Advanced Chef Modular Programme (Larder)	<i>Cathal Brugha St.</i>
Catering – Advanced Chef Modular Programme (Pastry)	<i>Cathal Brugha St.</i>
Catering – Apprentice Chefs (day release)	<i>Cathal Brugha St.</i>
Catering – Apprentice Restaurant Service (day release)	<i>Cathal Brugha St.</i>
Catering – Bakery and Delicatessen Food Production	<i>Cathal Brugha St.</i>
Catering – Basic/Higher Certificate in Wine and Spirit Studies	<i>Cathal Brugha St.</i>
Catering – Confectionery Art (Pastry Production)	<i>Cathal Brugha St.</i>
Catering – Confectionery Art (Sugar Craft)	<i>Cathal Brugha St.</i>
Catering – Executive Dining	<i>Cathal Brugha St.</i>

Catering – Food and Beverage Control	<i>Cathal Brugha St.</i>
Catering – Food and Beverage (Intermediate) Restaurant Service	<i>Cathal Brugha St.</i>
Catering – Skills Development for Cooks (Part 1)	<i>Cathal Brugha St.</i>
Catering – Skills Development for Cooks (Part 2)	<i>Cathal Brugha St.</i>
Catering – Supervisory Management	<i>Cathal Brugha St.</i>
Catering – Trainee Bartender	<i>Mountjoy Sq.</i>
Catering – Using Spreadsheets in Food and Beverage Management	<i>Cathal Brugha St.</i>
Computer – Advanced Desk Top Publishing	<i>Bolton St.</i>
Computer – Advanced Programming	<i>Bolton St.</i>
Computer – AutoCAD	<i>Bolton St.</i>
Computer – AutoCAD Customisation	<i>Bolton St.</i>
Computer – AutoCAD Three Dimensional	<i>Bolton St.</i>
Computer – Business and Office Technology Applications Programme	<i>Mountjoy Sq.</i>
Computer – Computer Applications and the Environment	<i>Cathal Brugha St.</i>
Computer – Computer Programming	<i>Bolton St.</i>
Computer – Data Bases and Spreadsheets	<i>Bolton St.</i>
Computer – Desk Top Publishing	<i>Bolton St.</i>
Computer – Information Technology and Change Management (Catering)	<i>Cathal Brugha St.</i>
Computer – Information Technology for Hospitality Industry	<i>Cathal Brugha St.</i>
Computer – Introductory Programming	<i>Bolton St.</i>
Computer – NC/CNC Advanced Part Programming	<i>Bolton St.</i>
Computer – NC/CNC Machine Setting and Operation	<i>Bolton St.</i>
Computer – NC/CNC Part Programming	<i>Bolton St.</i>
Computer – Operating Systems and Networks	<i>Bolton St.</i>
Computer – Word Processing and Desk Top Publishing	<i>Bolton St.</i>
Construction – Diploma/Degree in Construction Economics	<i>Bolton St.</i>
Construction – Professional Course in Construction Studies	<i>Bolton St.,</i>
Construction – Construction Technology Certificate/Diploma	<i>Bolton St.</i>
Design – Advanced Signwork (Parts 1 and 2)	<i>Bolton St.</i>
Design – Decorative Plasterwork	<i>Bolton St.</i>
Design – Display Design	<i>Mountjoy Sq.</i>
Design – Furniture Restoration	<i>Mountjoy Sq.</i>
Design – Interior	<i>Mountjoy Sq.</i>
Design – Photography and Advertising Graphics	<i>Mountjoy Sq.</i>
Design – Post Graduate Diploma in Computer Graphics	<i>Cathal Brugha St.</i>
Design – Visual Design in Building Work	<i>Bolton St.</i>
Design – Woodcarving	<i>Mountjoy Sq.</i>
Drama – Course in Creative Drama	<i>Cathal Brugha St.</i>
Economics – Graduate Diploma in Planning and Development Economics	<i>Bolton St.</i>

Energy – Efficient Energy Practice	<i>Bolton St.</i>
Engineering – Advanced Level Refrigeration and Air Conditioning	<i>Bolton St.</i>
Engineering – Building Services Engineering Technician Certificate and Diploma Course	<i>Bolton St.</i>
Engineering – Certificate in Quality Assurance (Part 2)	<i>Bolton St.</i>
Engineering – Certified Manufacturing Technologist	<i>Bolton St.</i>
Engineering – Civil Engineering Technician Certificate and Diploma Course	<i>Bolton St.</i>
Engineering – Degree Course in Engineering	<i>Bolton St.</i>
Engineering – Domestic Heating Engineers Course	<i>Bolton St.</i>
Engineering – Certificate in Quality Assurance (Part One)	<i>Bolton St.</i>
Engineering – Engineering Systems Maintenance	<i>Bolton St.</i>
Engineering – Foundation Course in Engineering	<i>Bolton St.</i>
Engineering – General Maintenance Technology	<i>Bolton St.</i>
Engineering – Maintenance Organisation	<i>Bolton St.</i>
Engineering – Mechanical Engineering Technician Certificate and Diploma Course	<i>Bolton St.</i>
Engineering – Mechanical Engineering Technician Course	<i>Bolton St.</i>
Engineering – Programmable Logic Controllers	<i>Bolton St.</i>
Engineering – Refrigeration Engineering Technician Course	<i>Bolton St.</i>
Floristry	<i>Mountjoy Sq.</i>
Food – Nutrition in Food Service	<i>Cathal Brugha St.</i>
Food – Microbiology and Hygiene in Food Service	<i>Cathal Brugha St.</i>
Health – Continuous Professional Development in Environmental Health	<i>Cathal Brugha St.</i>
Health – Diploma in Health Care Technology	<i>Cathal Brugha St.</i>
Health – Health, Safety, and Security for Business Managers	<i>Mountjoy Sq.</i>
Law – B.Sc in Management Law	<i>Aungier St</i>
Law – Certificate in the Law of the European Union	<i>Aungier St</i>
Law – Diploma in Legal Studies	<i>Aungier St</i>
Law – Graduate Diploma in Arbitration Law	<i>Bolton St.</i>
Law – Graduate Diploma in International Arbitration Law	<i>Bolton St.</i>
Law – Post Graduate Diploma in Criminological Studies	<i>Aungier St</i>
Management – Bar Management	<i>Mountjoy Sq.</i>
Management – B.Sc in Management Services	<i>Aungier St</i>
Management – Certificate in Quality Management	<i>Bolton St.</i>
Management – Certificate in Supervisory Management	<i>Aungier St</i>
Management – Diploma in Hotel and Catering Management	<i>Cathal Brugha St.</i>
Management – Diploma in Quality Management	<i>Bolton St.</i>
Management – Effective Management (Catering)	<i>Cathal Brugha St.</i>
Management – Health Services Management (Certificate/Diploma)	<i>Aungier St</i>
Management – Hotel Management (IHCI)	<i>Cathal Brugha St.</i>
Management – Purchasing and Materials Management (Cert/Adv.Cert/Dip)	<i>Aungier St</i>

Management – Retail and Wholesale Management	<i>Mountjoy Sq.</i>
Management – Retail Foodstore Management	<i>Mountjoy Sq.</i>
Management – Retail Meat Management Course	<i>Mountjoy Sq.</i>
Management – Security Management	<i>Mountjoy Sq.</i>
Management – Security Management (Advanced Course Membership)	<i>Mountjoy Sq.</i>
Marketing – An Introduction	<i>Mountjoy Sq.</i>
Marketing – Financial Services Marketing	<i>Mountjoy Sq.</i>
Marketing – Graduateship of the Marketing Institute	<i>Mountjoy Sq.</i>
Marketing – The Diploma in Direct Marketing	<i>Mountjoy Sq.</i>
Marketing – Foundation Certificate in Marketing	<i>Mountjoy Sq.</i>
Marketing – The Marketing Institute	<i>Aungier St.</i>
Meat – Meat Apprentice	<i>Mountjoy Sq.</i>
Mechanical – Tendering and Estimating Practice	<i>Bolton St.</i>
Media Studies – Graduate Diploma in Media Studies	<i>Aungier St.</i>
Metal Work – Art Metal Casting	<i>Bolton St.</i>
Metal Work – Light Gauge Fabrication	<i>Bolton St.</i>
Metal Work – Pipe Fabrication	<i>Bolton St.</i>
Metal Work – Welding – Advanced Plate and Pipe	<i>Bolton St.</i>
Metal Work – Welding – Gas Shielded Arc	<i>Bolton St.</i>
Metal Work – Welding – Oxy-acetylene	<i>Bolton St.</i>
Metal Work – Welding Repair and Maintenance	<i>Bolton St.</i>
Music – Accompaniment	<i>Adelaide Rd.</i>
Music – Adult Listening Repertoire	<i>Adelaide Rd.</i>
Music – Aural (Adult)	<i>Adelaide Rd.</i>
Music – Bassoon	<i>Adelaide Rd.</i>
Music – Boys Treble	<i>Adelaide Rd.</i>
Music – Chamber Music	<i>Adelaide Rd.</i>
Music – Church Organ	<i>Adelaide Rd.</i>
Music – Clarinet	<i>Adelaide Rd.</i>
Music – Classical Guitar	<i>Adelaide Rd.</i>
Music – Concert Harp	<i>Adelaide Rd.</i>
Music – Double Bass	<i>Adelaide Rd.</i>
Music – Duet	<i>Adelaide Rd.</i>
Music – Euphonium	<i>Adelaide Rd.</i>
Music – External Diploma	<i>Adelaide Rd.</i>
Music – Flute	<i>Adelaide Rd.</i>
Music – French Horn	<i>Adelaide Rd.</i>
Music – French Song	<i>Adelaide Rd.</i>
Music – Harpsichord	<i>Adelaide Rd.</i>
Music – Irish Harp	<i>Adelaide Rd.</i>
Music – Jazz Improvisation	<i>Adelaide Rd.</i>
Music – Jazz Trombone	<i>Adelaide Rd.</i>

Music – Jazz Trumpet	<i>Adelaide Rd.</i>
Music – Junior Certificate	<i>Adelaide Rd.</i>
Music – Junior Drama	<i>Adelaide Rd.</i>
Music – Junior Workshop	<i>Adelaide Rd.</i>
Music – Leaving Certificate	<i>Adelaide Rd.</i>
Music – Leaving Certificate (Repeat)	<i>Adelaide Rd.</i>
Music – Lieder	<i>Adelaide Rd.</i>
Music – Oboe	<i>Adelaide Rd.</i>
Music – Oratorio	<i>Adelaide Rd.</i>
Music – Organ	<i>Adelaide Rd.</i>
Music – Percussion	<i>Adelaide Rd.</i>
Music – Piano	<i>Adelaide Rd.</i>
Music – Pre-Instrumental	<i>Adelaide Rd.</i>
Music – Recorder	<i>Adelaide Rd.</i>
Music – Repetiteur	<i>Adelaide Rd.</i>
Music – Saxophone	<i>Adelaide Rd.</i>
Music – Singing	<i>Adelaide Rd.</i>
Music – Speech and Drama	<i>Adelaide Rd.</i>
Music – Theory (Adult)	<i>Adelaide Rd.</i>
Music – Trumpet	<i>Adelaide Rd.</i>
Music – Trombone	<i>Adelaide Rd.</i>
Music – Tuba	<i>Adelaide Rd.</i>
Music – Viola	<i>Adelaide Rd.</i>
Music – Violin	<i>Adelaide Rd.</i>
Music – Violincello	<i>Adelaide Rd.</i>
Personnel – Certificate in Personnel Practice	<i>Aungier St.</i>
Personnel – National Diploma in Personnel Management	<i>Aungier St.</i>
Plumbing – Plumbing Advanced	<i>Bolton St.</i>
Plumbing – Craft Technician Certificate in Plumbing	<i>Bolton St.</i>
Plumbing – Heating and Plumbing Merchants/Providers	<i>Bolton St.</i>
Printing – Advanced Lithographic Printing and Platemaking	<i>Bolton St.</i>
Printing – Book and Archive Restoration	<i>Bolton St.</i>
Printing – Book Binding and Print Finishing Retraining	<i>Bolton St.</i>
Printing – Cost Accountancy for Printers	<i>Bolton St.</i>
Printing – Design for Print	<i>Bolton St.</i>
Printing – Estimating for Printers	<i>Bolton St.</i>
Printing – Introduction to Management – Graphic Industry	<i>Bolton St.</i>
Printing – Introduction to Printing Technology	<i>Bolton St.</i>
Printing – Lithography and Photo Lithography Retraining	<i>Bolton St.</i>
Printing – Packaging Principles and Practice	<i>Bolton St.</i>
Printing – Paper Technology	<i>Bolton St.</i>
Printing – Print Finishing	<i>Bolton St.</i>

Printing – Screen Printing	<i>Bolton St.</i>
Quality Control – Elementary Quality Control	<i>Aungier St</i>
Quality Control – Management of Quality Control	<i>Aungier St</i>
Quality Control – Quality Control Course (City and Guilds)	<i>Aungier St</i>
Sales – Certificate in Selling	<i>Mountjoy Sq.</i>
Sales – Professional Certificate in Selling	<i>Mountjoy Sq.</i>
Sales – The Sales Representatives Course	<i>Mountjoy Sq.</i>
Secretaries – Institute of Chartered Secretaries and Administrators	<i>Aungier St</i>
Secretaries – Irish Institute of Secretaries and Administrators	<i>Aungier St</i>
Social Science – Certificate in Applied Social Studies (Modular) (Social Care)	<i>Cathal Brugha St.</i>
Social Science – Diploma in Early Childhood Care and Education	<i>Cathal Brugha St.</i>
Teaching – Teachers Certificate in Third Level Education	<i>Cathal Brugha St.</i>
Transport – Aeronautical Engineering Craft Studies	<i>Bolton St.</i>
Transport – Aeronautical Maintenance Engineer’s Licences	<i>Bolton St.</i>
Transport – Auto Engineering Technician Course	<i>Bolton St.</i>
Transport – Automobile Engineering Updating Courses – Continuing Education Programme	<i>Bolton St</i>
Transport – Basic Aeronautical Engineering Certificates	<i>Bolton St.</i>
Transport – Compressed Air Systems and Fuel Injection in C.1. Engines	<i>Bolton St.</i>
Transport – Flight Operation Officer (Dispatcher Course)	<i>Bolton St.</i>
Transport – Jet Engine Overhaul Procedures	<i>Bolton St.</i>
Transport – Motor Cycle Mechanics Course	<i>Bolton St.</i>
Transport – Motor Industry Management Certificate	<i>Bolton St.</i>
Transport – Motor Industry Management Higher Certificate	<i>Bolton St.</i>
Transport – Motor Vehicle Craft Studies Electricity/Electronics	<i>Bolton St.</i>
Transport – Motor Vehicle Parts Personnel	<i>Bolton St.</i>
Transport – Motor Vehicle Parts Personnel – Distance Learning	<i>Bolton St.</i>
Transport – Private Aircraft Pilot’s Licence	<i>Bolton St.</i>
Transport – Motor Vehicle Craft Studies – Diagnostic Technique	<i>Bolton St.</i>
Transport – Private Pilot’s Licence (Instrument Rating)	<i>Bolton St.</i>
Transport – Production Planning Course (IATA)	<i>Bolton St.</i>
Transport – Road Transport Studies	<i>Bolton St.</i>
Transport – Technological Certificate in Automobile Engineering	<i>Bolton St.</i>
Wine Course	<i>Mountjoy Sq.</i>



DUBLIN INSTITUTE of TECHNOLOGY

Institiúid Teicneolaíochta Bhaile Átha Cliath

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

References to the requirements of outside professional bodies are not intended to be complete or exhaustive at the time of publication since they are subject to change. Accordingly, those interested are advised to make direct contact with the professional bodies concerned to ascertain their up-to-date requirements.

Every effort is made to ensure the accuracy of the information in this publication. However, the Institute reserves the right to amend, change or delete any programme of study or academic regulation at any time having given due consideration to students who are already enrolled. Furthermore, the Institute reserves the right to alter or delete any of the information included at any time and it shall not be bound by any errors or omissions and cannot accept liability in respect thereof.

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DUBLIN INSTITUTE of TECHNOLOGY

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- 3 DIT Cathal Brugha St. Dublin 1**
Tel: 01-402 3000 Fax: 01-402 4499
- 4 DIT Aungier St. Dublin 2**
Tel: 01-402 3000 Fax: 01-402 3003
- 5 DIT Kevin St. Dublin 8**
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